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THE CHEMICAL MARKET AUTHORITY

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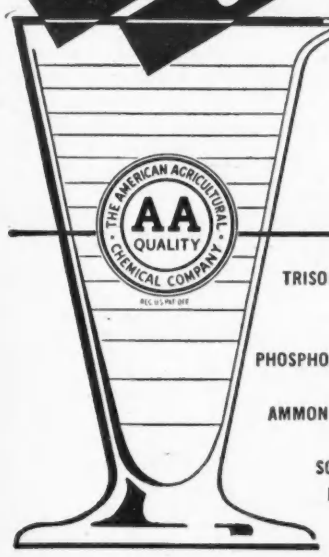

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MINERALS & CHEMICALS EXECUTIVE: Charles A. Specht has been elected chairman of the executive committee and chief executive officer of Minerals & Chemicals Corporation of America. He formerly was president of Pfizer International, Inc., and a director of Chas. Pfizer & Co., Inc.

ADMA Shows Disenchantment With Type of Government Setup In the Proposed APMA Merger

There is growing disenchantment within the American Drug Manufacturers Association with the idea that it merge with the American Pharmaceutical Manufacturers' Association, it was learned by OPD last week. Among the key stumbling blocks to the proposed consolidation of the two drug associations is the form of government to be adopted by the new organization.

ADMA wants the merged group to operate under a governmental principle similar to its own. For one thing, this means that board members need not be limited to one three-year term at a time, as is the case under APMA's rotational plan.

Posts for ADMA Members

ADMA executive committee members may be elected to two consecutive three-year terms, chosen vice-president for two years and then renamed to the executive committee for another three years.

This, ADMA believes, gives it officers a long indoctrination period and the necessary feeling of continuity that is required in a well-run, complex operating organization.

In addition, it points out that an automatic rotation scheme does not make full use of major industry leaders who wish to play an important role in the group.

Furthermore, ADMA contends, an association cannot claim to speak for the industry if it keeps major firms off its board. In this connection, it points out that six pharmaceutical companies account for more than half the business done by the entire industry.

ADMA also argues that the APMA rotational plan, while in theory aimed at giving full participation to the membership, actually only gives "lip service" to that idea. For instance, it notes that the same individuals keep popping up as APMA directors, despite that association's rotational scheme.

The notion of merging the two drug industry associations, long talked about

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LEDERLE PLANT MANAGER: Dr. Francis E. Fontaine, new plant manager for Lederle Laboratories Division of American Cyanamid Company, Pearl River, N. Y.

Chemical Dollars Are Pacemakers In Foreign Lands

Chemical producers are among the pace-setters in foreign investments, according to the Department of Commerce. Since 1950 manufacturing investments abroad by US companies have increased some $2.5 billion. The largest growth during this period has occurred in chemical and automobile plants. The book value of the investment in each of these industries at the end of last year was nearly $1 billion.

Chemical investments at the end of 1955 totaled $945 million, which compares with $768 million at the close of 1953 and $512 million at the end of 1950.

Lion's Share to Latin America

A breakdown of last year's chemical investments abroad shows Latin America taking the lion's share with a total of $407 million. Ranking next in importance is Canada with some $311 million.

US chemical investment in the United Kingdom at the end of 1955 amounted to $109 million, while other Western European nations accounted for $48 million and all other areas took care of the remaining $70 million.

Investments in motor vehicles expanded at an average rate of about $100 million annually during 1950-55. This followed the overall course of manufacturing investments with a marked decline in 1953 followed by a sharp rise in 1954 and 1955.

Other fast-growing industries were primary and fabricated metals (including aluminum), machinery and rubber products. Expansion has been slower for food products and paper and pulp.

Total private US foreign investments increased in value by $2.4 billion during 1955 to a total of $29 billion.

The fastest growing component of private foreign investments is the foreign branches and subsidiaries of US firms. These direct investments now have a book value of over $19 billion, compared with $7 billion at the end of the war.

Classified by industry, this total breaks down this way:—

Manufacturing, $6.3 billion; petroleum, $5.8 billion; mining and smelting, $2.2 billion, and miscellaneous industries, $4.7 billion.

Farm Surplus Unit Boosted by President

A group that is expected to look to chemurgy for many of its answers got an official send-off last week, as President Eisenhower met for the first time with the new five-man commission on increased industrial use of agricultural products.

The commission was authorized by congress in an effort to find new uses for farm crops and to reduce agricultural surpluses.

Purpose of the commission, as explained by Mr. Eisenhower, "is to see what can be done to put modern industrial science and technology to work to reduce our surpluses through their profitable use in new ways by industry.

"The commission," he added, "will recommend legislation designed to foster the discovery and development of new and improved industrial goods for the nation—goods which will be manufactured in whole or in part from surplus agricultural raw materials."

Although the commission has until next June 15 to report, the President said he had been assured by the group that it intends to have its recommendations ready in time for legislative action at the next session of congress.

Heading the commission is J. Leroy Welsh, chairman of the University of Nebraska's board of regents and a part-

—Continued on page 36

Metal Hydrides to Build Sodium Borohydrate Plant

Metal Hydrides, Inc., Beverly, Mass., last week filed a stock registration statement with the Securities and Exchange Commission to provide funds for the construction of sodium borohydride facilities at Danvers, Mass.

Under a contract with the navy, Metal Hydrides has agreed to install equipment for the production of sodium borohydride for the high energy fuels program.

Cost of the unit, which will be borne by the government, is estimated at $4,388,290. Construction costs, put at $939 thousand will be the company's responsibility.

Metal Hydrides is asking SEC to register 85,266 shares of its $5 common stock. Net proceeds of this financing will be used partly for the construction of the Danvers installation, and partly additional working capital.

Escambia Changes Name, Moves Executive Offices

The new corporate name and the location of permanent officers for Escambia Bay Chemical Corporation have been announced by R. U. Haslanger, president.

The corporation has discontinued the use of the word "Bay" in its official title, to become Escambia Chemical Corporation.

The executive offices of the corporation now occupy the twentieth floor at 261 Madison avenue, New York. Offices of the president; the resin sales manager, W. W. Peacock, Jr., and the commercial development manager, A. N. Wohlwend, are all located at this address.

The corporation's research and development is located at Cambridge and Newton, Mass., under the direction of Dr. N. C. Robertson, vice-president. Production facilities are located at Pensacola, Florida, under the direction of D. J. Stark, vice-president.

Aluminum Industry Seeks Tighter Rules

Aluminum smelters again urged the government last week to tighten up restrictions on exports of aluminum scrap so as to make more metal available to the domestic industries. The aluminum smelting industry traditionally consumes scrap in large quantities to produce secondary aluminum which is widely used by foundries and is customarily sold at prices below those of primary aluminum.

Some industry spokesmen, at a meeting with Business and Defense Services Administration, said their plans have been affected since the last conference with the

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Ultra Chemical Works To Build Chicago Plant

Construction in Chicago of a $500,000 manufacturing plant for Ultra Chemical Works, Inc., Paterson, N. J., has been announced.

The new plant, scheduled for completion in late August, will enable Ultra to manufacture its lines of synthetic detergent intermediates and similar organic chemicals in the Midwestern area.

The new plant adjoins the Chicago properties of Witco Chemical Company, with which Ultra is associated.

Habit-Forming Drug Ruling Goes Against Tailby-Nason

Food and Drug Administration turned thumbs down on a request that acetylcarbromal and bromural be removed from the list of habit-forming drugs. The request had been made by Tailby-Nason Company of Cambridge Mass.

Hearings were held in June and September of last year, and this March the agency ruled that the evidence did not warrant the removal of the drugs from the list requiring the following label: "Warning—may be habit forming."

In May of this year, Tailby-Nason asked that the hearing be reopened to permit the company to furnish further evidence in support of its position.

This the FDA refused to do on the grounds that the evidence Tailby-Nason wants to present "is not newly discovered" and that "it could have been produced at either hearing" last year.

Argon Can Replace Helium in Titanium Process

Plentiful argon can be substituted satisfactorily for scarcer helium in certain steps in producing the new metal titanium, the Bureau of Mines reported last week following a series of tests with the two non-flammable gases.

Bureau officials commented that wider use of argon would extend the nation's supply of helium "and thus strengthen our position regarding this vital commodity."

Helium is extracted from some natural gases of the southwest by the bureau and large amounts are used by the Atomic Energy Commission, the Department of Defense and private industry.

Argon, extracted from the atmosphere, is employed extensively for shielded-arc welding of certain metals, but cannot be substituted for helium in all fields.

Comparable tests with the two inert gases in the bureau-perfected Kroll magnesium-reduction process for making titanium were conducted over a period of months at the electrometallurgical experiment station, Boulder City, Nev. A technical publication describing the work has been written by C. T. Baroch, Bureau meallurgist now in Washington, D.C., and two former associates, T. B. Kaczmarek and John F. Lenc.

"The test runs showed conclusively that high-purity argon could be substituted for helium in the reduction of titanium tetrachloride with magnesium," the researchers commented. "This could be accomplished with no noticeable impairment in the quality of the resulting titanium sponge metal and with only minor alteration in the reduction technic. Many of the operating factors were virtually the same for both argon and helium."

Relative costs of using the gases were not determined, but bureau director Marling J. Ankeny said the findings are extremely significant and will be increasingly important should a crisis force the diversion of greater amounts of helium to military or atomic energy uses.

He added that the Government always has advocated the use of substitute gases when they will perform a job equally as well as helium.

Reichhold-Cyanamid In Melamine Accord

Reichhold Chemicals, Inc., White Plains, N.Y., will manufacture melamine resins for the surface coating, adhesive and laminating industries under a license agreement with American Cyanimid Company, New York. The agreement is effective immediately.

Initially, manufacture of the new RCI products will be conducted at the firm's Elizabeth, N.J., Detroit, Mich., and San Francisco plants. It is expected that expanded production will be undertaken at additional RCI plants at a later date.

Rules on Tariff Protection Appeals Laid Down by ODM

Office of Defense Mobilization last week laid down the ground rules for hearing appeals by domestic producers seeking protection from foreign competitors. Domestic industries which regard themselves as essential to national defense have the right under the reciprocal trade agreements act, as amended in 1955, to ask ODM for more tariff protection when they believe competitive imported products threaten their existence.

If ODM finds the complaint warranted, it can recommend action by the President to protect the domestic industries. Among the eleven industries that have filed petitions with ODM are fluorspar and petroleum producers.

Earlier this month, escape clause relief was denied to domestic makers of para - aminosalicylic acid by President Eisenhower (OPD, 8/20/56). In so doing, the President resolved a three-three split decision by the Tariff Commission.

Last week's ODM announcement was made in connection with the disclosure that the agency would hold a public hearing on the appeal of the cordage and twine industry on September 11.

Under the appeals procedure, requests to be heard by ODM must be filed with the agency twelve days prior to the hearing. Other rules are:

- Presentation of statements or testimony will be limited as to time. Allotments of time will be communicated to applicants as promptly as possible.
- Briefs or other written statements should be filed five days before the hearing date. Written rebuttal may be made in supplementary briefs or statements to be filed within ten days following the hearing.
- The hearing will be conducted by ODM's general counsel.
- The domestic industry, as the requesting group, will be heard first.
- A verbatim transcript of the hearing will be taken.
- No cross-examination will be permitted, but questions may be asked by and through the official conducting the hearing.
- Persons making oral presentation will not be required to testify under oath, but written material may be submitted in affidavit form.
- Written material should be submitted in ten copies.

SALES OFFICIAL: William Morton, new midwest regional sales manager in charge of organic chemicals for Dewey & Almy Chemical Company Division of W. R. Grace & Co.

USDA, Soy Group Study Market Abroad

Department of Agriculture last week announced a program for the development and promotion of markets abroad for US soybeans, soybean oil and other soybean products in cooperation with private industry.

The program will be conducted under an agreement with the Soybean Council of America, Hudson, Iowa. The pact calls for surveys of the problems and possibilities of developing new markets for soybeans, soybean oil and other soybean products in Italy, Spain, Western Germany, Austria, France, Finland and such other countries as may be agreed upon.

The accord between USDA and the council also provides for market research and analysis projects, sales promotion and related market development activities.

Atom Feed Unit Proposed

Koppers Company, Pittsburgh, Pa., and Kennecott Copper Corporation have jointly disclosed that they will submit a proposal to the Atomic Energy Commission October 1 to make uranium feed materials for AEC.

The proposals calls for construction and operation of a feed materials plant with a productive capacity of up to 5,000 tons per year of uranium salts.

Carbon, Iodine Isotope Prices Lowered by AEC

Atomic Energy Commission last week announced price reductions on carbon 14 and iodine 131, two radioisotopes used widely in biology in medicine, retroactive to July.

Carbon 14 is now priced at $28 per millicurie for shipments in amounts of 199 millicuries or less. The quotation for larger shipments is $22 per millicurie. Previous prices were $36 and $32 for these quantities.

Iodine 131 under the new price is 50 cents per millicurie for shipments of 499 millicuries or less, and 40 cents per millicurie for amounts greater than 499 millicuries. Previously iodine 131 cost 75 cents and 65 cents for like amounts.

The Week's Price Changes

Alumina, Molasses, Lemon Oil, Lime Oil, Bees Wax Higher. Ammonia, Copra, Lard, Nitrogen Solutions, Soybean Oil Lower.

Prices Advanced

Acid, glacial acetic, CP, 7c. per lb. (p. 40).
USP, 7c. per lb.
Alumina, calcined, 0.3c. per lb. (p. 54).
Aluminum hydrate, ¼c. per lb. (p. 54).
Linalool, 25c. per lb. (p. 50).
Linseed meal, $1 per ton (p. 56).
Molasses, New Orleans, ½c. per gal. (p. 46).
New York, 1c. per gal.
Oil, bois de rose, 15c. per lb. (p. 50).
Lemon, 25c. per lb. (p. 50).
Lime, 5c. per lb. (p. 50).
Oleo, ½c. per lb. (p. 56).
Wax, bees, crude, 1c. per lb. (p. 56).
Refd., 1c.-2c. per lb.

Prices Reduced

Acid, linseed, 3 10c. per lb. (p. 56).
Ammonia, anhydrous, $8 per ton (p. 45).
Copra, $2.50 per ton (p. 56).
Lard, 7/8c. per lb. (p. 56).
Nitrogen solutions, 10c. per unit-ton (p. 45).
Oil, coconut, crude, ¼c. per lb. (p. 56).
Oil, corn, crude, 3/8c. per lb. (p. 56).
refd., 3/8c. per lb.
Cottonseed, crude, ¾c. per lb. (p. 56).
refd., 5/8c. per lb.
Lemongrass, 5c. per lb. (p. 50).
Linseed, 3.10c. per lb. (p. 56).
Peanut, crude, ¾c. per lb. (p. 56).
refd., ¾c. per lb.
Soybean, crude, 5/8c. per lb. (p. 56).
refd., 5/8c. per lb.
Oleo stearine, ¼c. per lb. (p. 56).
Wax, carn., crude, Ceara, 1c. per lb. (p. 56).
Parnahyba, 1c. per lb. (p. 56).
Yellow, 2c. per lb. (p. 56).

OPD Price Index

THE OIL, PAINT AND DRUG REPORTER'S relative record of prices of chemicals and related materials is currently as follows:—

(100=1949 average)

Aug. 24, 1956	Aug. 17, 1956	Aug. 26, 1955
108.93	108.97	106.68

Glycerine Goal Closed Down

Office of Defense Mobilization last week closed down its expansion goal on glycerine. The action followed a recommendation of the Business and Defense Services Administration that production capacity planned and in being will be adequate to cope with mobilization requirements. An ODM official pointed out that applications for certificates of necessity now on file with the agency provide for new production facilities sufficient to fill the goal.

The goal, as established in 1952, called for an annual US capacity to produce 278 million pounds of glycerine. A revision last September raised the target capacity to 325 million pounds annually to be achieved by June 30, 1957.

This total, ODM said, is based on production of existing natural glycerine facilities of 140 million pounds annually and on the expansion of synthetic glycerine production to 185 million pounds yearly capacity.

Last week's action closed the last of more than sixty goals set by ODM to achieve defense expansion in the nation's chemical industry.

Ammonium Bicarbonate, Sodium Nitrite Go Up

Solvay Process Division of Allied Chemical & Dye Corporation, New York, has announced revised price schedules on ammonium bicarbonate, ammonium chloride and sodium nitrite, to become effective September 1 on spot sales, and October 1 on contracts.

The new schedules, f.o.b. makers' works, are as follows:—Ammonium bicarbonate, $7 per hundred pounds, barrels or drums, carlots, and $9 per hundred pounds, less carlots, same basis.

Ammonium chloride in bags, $5.75 per hundred pounds, carlots, f.o.b. works, and $7.75 per hundred pounds, less carlots, same basis. Ammonium chloride in barrels is newly listed at $6.25 per hundred pounds, carlots, f.o.b. works, and $8.25 per hundred pounds, less carlots, same basis.

Sodium nitrite will be quoted September 1 at $8.50 per hundred pounds, barrels, carlots, f.o.b. works, and $10.50 per hundred pounds, less carlots, same basis.

Jay H. Forrester

Indiana Standard Forming New Firm

Amoco Chemicals Corporation will be the name of a company resulting from the proposed consolidation of three chemical subsidiaries of Standard Oil Company (Indiana), President Frank O. Prior, of Standard, has announced. Jay H. Forrester will become president of

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US 1st in Uranium Ore

US uranium ore production is now at a level of nearly 3 million tons a year and that figure is expected to about double, according to Atomic Energy Commission's twentieth semi-annual report. This makes the United States the free world's leading producer. In 1948, only some 70,000 tons of ore was produced in this country.

Ore production, AEC said, exceeded processing capacity during the first half of this year, and ore had to be stockpiled at the locations of new mills.

In addition to nine mills already in operation, the commission indicated that three are under construction—one at Tuba City, Ariz.; one at Edgemont, S. D., and the other at Moab, Utah.

Contracts for the purchase of production from a number of new plants are being negotiated, AEC stated. The new mills are being considered for such widely scattered areas as northwestern New Mexico, southern and eastern Utah, east-central Colorado, central Wyoming and eastern Washington.

The commission said that the total number of mills may be doubled by 1958. They range in size from 200 to more than 2,000 tons daily ore capacity.

Several groups have presented the commission with proposals to produce uranium concentrates from uranium-bearing lignites, but, AEC pointed out, production plans will depend upon the success of further development and pilot-plant testing.

The agency reported that byproduct uranium concentrates from Florida phosphate rock continues to be produced in small tonnages.

A new byproduct uranium recovery unit is now being completed at East Tampa, Fla., for operation this fall under contract with AEC by the U.S. Phosphoric Products Division of Tennessee Corporation.

Solvent extraction of uranium from phosphoric acid, a process developed under contract for the commission, will be used.

American Cyanamid to Build Acrylic Fiber Plant in Florida

Industrial development in Florida took another step forward with the announcement last week that American Cyanamid Company had definitely decided to construct a plant near Pensacola, Fla., for production of a new acrylic textile fiber called "Creslan." K. C. Towe, president of American Cyanamid, announced simultaneously the formation of a new division, the fibers division, which will have responsibility for the selection and direction of the organization required in the production and marketing of the company's new fiber. Alden R. Loosli has been appointed general manager of the new division.

GAF MANAGER: S. H. Williams, vice-president of General Aniline & Film Corporation, has been promoted from his present position of general sales manager to assistant general manager of the dyestuff and chemical division.

To Design and Supervise

According to Mr. Loosli, the engineering and construction division of American Cyanamid Company is to design and supervise the construction of the plant which, when completed, will employ about 350 people, including some fifty-five chemical engineers and technicians. It is expected that most of the plant personnel will be drawn from the local area.

Annual production is expected to be 27 million pounds of staple and tow, Mr. Loosli said, with a 100 percent expansion potential embodied in the original plant design.

He also confirmed the fact that several plant sites had been under consideration and that selection of the location near Pensacola was made on the recommenda-

—Continued on page 44

Dow Sales Income 53 Percent Chemical

Approximately 53 percent of the sales revenue of Dow Chemical Company, Midland, Mich., was accounted for by chemicals, according to figures in the recently-released fifty-ninth annual report to stockholders. Thirty-two percent of the income was derived from plastics, 9 percent from magnesium and 6 percent from agricultural chemicals.

All lines were said to have exhibited "a

—Continued on page 36

Soap, Detergents Show Rise in First Six Months

A strong gain in the sale of soap and synthetic detergents is reported for the first six months of 1956. Sales are up 15.3 percent in pounds and 11.7 percent in dollar value compared to 1955 according to the industry census compiled quarterly by the Association of American Soap and Glycerine Producers, from data submitted by seventy-four of its member companies.

The sharpest gain for the six months in any of the product classifications is in liquid synthetic detergents with an increase in pounds sold of 86.2 percent. Total synthetic detergents sales, solid and liquid, increased 25.4 percent. Despite these increases in synthetic detergents, the total sales of soap showed little decline, off 1.5 percent. Totals for the principal product classifications are as follows.

West German Chemical Trade Scored Short 1955 Export Gain Due to Heavy Domestic Need

West German chemical exports gained 10.7 percent in 1955 over 1954 levels, an increase which was considerably short of the 27 percent rise recorded during 1954, according to the Business and Defense Services Administration. Greater competition in foreign markets and the necessity of reducing exports of some products to meet domestic demand were the principal factors in the lower rate of increase last year.

Imports climbed 29.6 percent during the same period, and amounted to DM 633,217,000 in 1955, compared with DM 488,680,000 in 1954, exclusive of plastics and synthetic fibers.

Of the exports, although all branches of the industry shared in the overall gain, the increases ranged from a high of more than 30 percent for photochemicals to a low of 1.6 percent for dyes.

Organic Chemicals Largest

Organic chemicals continued to be the largest group, but were up only 3.1 percent, to DM 696 million. A number of these materials was in short supply during the year and shipments abroad were cut in favor of local requirements.

Leading exports in this group were aromatic hydrocarbons, hydrocarbon derivatives, acyclic alcohol and its derivatives, phthalic acids and derivatives, amines, amides, urea, heterocyclic compounds, vitamins, and alkaloids. Sales of organic chemicals to the United States remained small.

Inorganic and organic chemicals again accounted for 50 percent of the total of chemical imports into West Germany in 1955. Inorganic chemicals rose 44.4 percent to DM 160.7 million, and organic chemicals increased 25.3 percent to DM 150.38 million.

The United States share increased to 23 percent in 1955 from 20 percent in 1954, and 15 percent in 1953.

Imported products imported were boric acid and various boron compounds, borates, carbons and hydrocarbons, alcohols, phenol, phthalic acid, amines, sulfur compounds, vitamins, and antibiotics.

As a percentage of total West German imports, chemical imports reached almost 5 percent in 1955, compared with 4.6 percent in 1954, and 3.9 percent in 1953.

Part of this increase, BDSA says, is undoubtedly due to further liberalization policies. Of equal, if not greater importance, however, was the tight domestic supply position in some segments of the industry.

West Germany's coke production reached a new postwar high of 40.5 mil-

—Continued on page 58

US Borax & Chemical To Build Lab on Coast

United States Borax & Chemical Corporation, Los Angeles, has selected a site in Anaheim, Calif., for construction of a research laboratory.

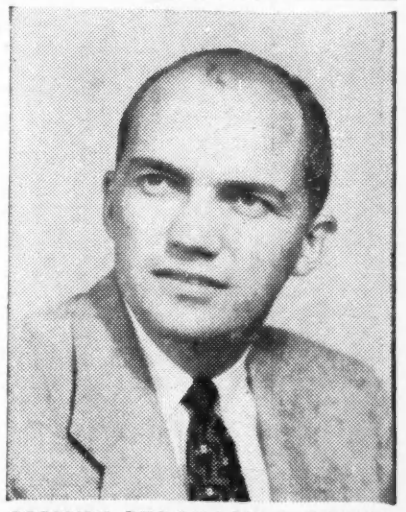
The laboratory will provide research for Pacific Coast Borax Company, United States Potash Company, and 20 Mule Team Products Division, all units of U. S. Borax & Chemical.

Construction is scheduled to begin in September, with completion expected in late April, 1957.

Spencer Kellogg to Push Soy, Flax Refining in Minn.

Spencer Kellogg & Sons, Inc., Buffalo, N. Y., has bought property near Breckenridge, Minn., for construction of a $5 million soybean and flaxseed processing plant and storage elevator.

Spencer Kellogg also announced that it has concluded an agreement with Honeymead Products Company to share its newly expanded processing facilities at Mankato, Minn.



GOODRICH PURCHASING OFFICIAL: Thomas H. Smith, named manager of the chemicals and pigments purchasing department of B. F. Goodrich Company, with which he has been associated since 1949.

Hercules Looks To New Horizons

Richard T. Yates, manager of the agricultural chemicals division, naval stores department of Hercules Powder Company, Wilmington, Del., has been given a special assignment to investigate new fields of chemistry in which the company is interested. P. J. Reno, sales manager of the agricultural chemicals division, will succeed Mr. Yates as division manager.

Mr. Yates joined Hercules in 1929, as a chemist. Soon after joining Hercules, he was transferred to the sales staff of the company's naval stores department, and has had considerable experience in technical sales work. In 1940 he was named manager of domestic sales for the naval stores department, and was appointed assistant director of sales for the department in 1945.

When the department established an agricultural chemicals division in 1954, he was named manager.

Mr. Reno joined Hercules in 1941 in the sales division of the naval stores department. At the close of World War II he was assigned to the southwest, and played an important role in the introduction of toxaphene insecticides to cotton growers, state and federal agricultural agencies, and manufacturers of dusts and sprays, in that region.

In 1948 the naval stores department established a sales office in Dallas, Tex., and Mr. Reno was named manager of that office. He served in that capacity until earlier this year when he was named sales manager of the department's agricultural chemicals division with headquarters in Wilmington.

Warner-Lambert Moves Headquarters to N. J.

Warner-Lambert Pharmaceutical Company has announced the shifting of its central administrative offices from New York city to a new building erected for that purpose in Morris Plains, N. J.

Alfred E. Driscoll, president, stated that the move is intended to consolidate in more efficient quarters the executive and administrative staffs of both the parent company and several of its principal divisions.

Soybean Increase Seen Bringing Market Problem

Very serious soybean marketing problems may arise next year if production keeps rising as fast as it has the past three years, according to George M. Strayer, executive vice-president of the American Soybean Association.

Mr. Strayer has reminded the processors and producers that crop estimates this year point to an increase of 70 million bushels on soybeans over last year.

And, soybean production has increased by 50 percent in the last three years to hit an estimated new level of 443 million bushels this year, he said.

"It is increasingly apparent," Mr. Strayer said, "that American farmers have now reached the place where they cannot continue to increase soybean production each year in huge jumps without jeopardizing the entire industry.

"Under the soil bank program free planting of soybeans is going to be allowed next year. Without any restrictions we may have another large increase in 1957 soybean acreage."

"If we will immediately launch a campaign of sales and promotion there is no reason why we should have surpluses of soybeans at the end of the 1956 crop year. If we wait for markets to come to us, it may be a vastly different story," he said.

Mr. Strayer, reporting on his recent trip to Europe where he made a survey with an eye to increased markets for products of US soybeans, said he has recommended to the Department of Agriculture the setting up of an export market development program for soybeans in a number of European countries and that government funds are expected to be made available for this purpose.

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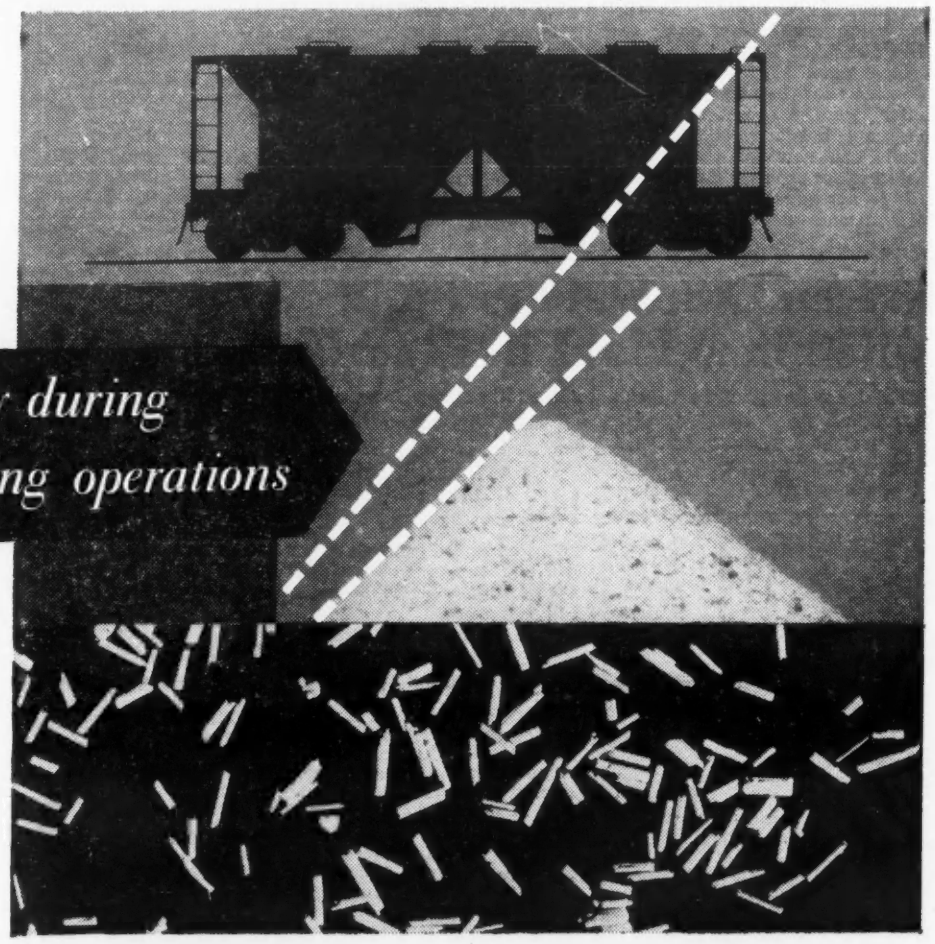

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Association Meetings

Course on Tank Truck Transportation, Michigan State University, East Lansing, Mich., August 27-30.

Food, Drug and Cosmetic Law Division of the Amercian Bar Association, annual meeting, Southern Methodist University School of Law, Dallas, Tex., August 28.

National Soybean Processors Association, joint meeting with American Soybean Association, Cincinnati, Ohio, August 29.

American Chemical Society, national meeting, Atlantic City, N J., September 16-21.

American Institute of Chemical Engineers, William Penn hotel, Pittsburgh, Pa., September 9-12.

American Oil Chemists' Society, Sherman hotel, Chicago, September 24-26.

American Society for Testing Materials, Pacific area national meeting and apparatus exhibit, Statler hotel, Los Angeles, September 16-22.

Association of Consulting Chemists and Chemical Engineers, annual meeting and symposium, Belmont Plaza hotel, New York, October 23.

Combined Pharmaceutical Contact Committee of American Drug Manufacturers Association and American Pharmaceutical Manufacturers Association, fall meeting, Washington hotel, Washington, D. C., October 23-24.

Commercial Chemical Development Association, Terrace Plaza hotel, Cincinnati, Ohio, November 1.

Drug, Chemical and Allied Trades Section of the New York Board of Trade, annual outing, Pocono Manor Inn, Pocono Manor, Pa., September 27-29.

Federal Wholesale Druggists Association, annual convention, Greenbrier hotel, White Sulphur Springs, W. Va., September 16-19.

Federation of Paint and Varnish Production Clubs, annual meeting and paint industries' show, Cincinnati, Ohio, October 22-24.

Fragrance Foundation, annual convention, Savoy Plaza hotel, New York, September 20.

National Agricultural Chemicals Association, annual meeting, Essex and Sussex hotel, Spring Lake, N. J., September 5-7.

National Association of Retail Druggists, annual convention, Netherlands Plaza and Sheraton-Gibson hotels, Cincinnati, Ohio, September 17-21.

National Chemical Exposition, Public Auditorium, Cleveland, Ohio, November 27-30.

National Industrial Conference Board, marketing conference, Waldorf-Astoria hotel, New York, September 19-21.

National Paint, Varnish and Lacquer Association, annual convention, Statler, Ambassador and Biltmore hotels, Los Angeles, November 12-14.

National Pest Control Association, annual convention, Detroit, Mich., October 22-25.

National Petroleum Association, annual meeting, Traymore hotel, Atlantic City, N. J., September 12-14.

Packaging Institute, annual forum, Statler hotel, Cleveland, Ohio, September 10-12.

Perkin Centennial, sponsored by American Association of Textile Chemists and Colorists, Waldorf-Astoria hotel, New York, week of September 10.

Pharmaceutical Council of Greater New York, drug, cosmetic and sundry show, Statler hotel, New York, September 23-25.

Proprietary Association, scientific section, winter meeting, Waldorf-Astoria hotel, New York, December 11.

Salesmen's Association of the American Chemical Industry, sales clinic, Commodore hotel, New York, October 15.

Society of Cosmetic Chemists, annual scientific forum, Barbizon Plaza hotel, New York, October 4-5.

Synthetic Organic Chemical Manufacturers Association, monthly luncheon, Roosevelt hotel, New York, September 11; annual meeting and dinner, Biltmore hotel, New York, December 3.

Business 4th Quarter Forecast Dispels May and June Misgivings

This report on business conditions in August represents a composite opinion of purchasing agents who comprise the business survey committee of the National Association of Purchasing Agents, and has been prepared by NAPA.

Purchasing executives view the balance of 1956 with renewed optimism. The misgivings that were expressed in May and June have largely disappeared. Production remains high, substantially unchanged from the May-June level, and there is a definite upturn in the new order situation. The better new order position is undoubtedly a reflection of the general belief that business during the remainder of 1956 will be good. As could be anticipated, the recent generous labor settlements are resulting in higher prices and a continuation of creeping inflation. Inventories are slightly lower.

Employment remains high and, rather surprisingly in view of recent strikes, is reported slightly above June, with gradual increases expected through the fourth quarter.

Nickel and steel are the items hardest to obtain. There is no relief in sight on the nickel shortage until new productive facilities, which are being encouraged by government incentives, are available and actually producing the scarce metal. As a result of price increases, there has been a natural tendency to lengthen order lead time, especially on production items.

The special question asked purchasing agents this month was designed to determine whether or not the steel strike has caused any major downward revision of production schedules or capital expenditures for the balance of 1956. The reports indicate that only a few actually had to

—Continued on page 37

LAB CHIEF: William O. Ranky, appointed director of laboratories for Stepan Chemical Company, Chicago, with which he has been associated since 1948.

Polyglycol Series Being Made by Dow

Pilot plant production of three series of new polyglycols — polyepichlorohydrin, polystyrene glycol and polybutylene glycol—has been announced by Dow Chemical Co., Midland, Mich.

The entirely new products, developed by Dow research, are all adaptable as intermediates in the production of the new polyurethanes and in the rapidly expanding surfactant field, Dow says.

Company officials foresee application of

—Continued on page 49

Drug Promotion Committee Formation Pushed by AMA

An eight-man committee is being formed to guide pharmaceutical manufacturers in the conduct of drug promotion.

Spearheading the move is the American Medical Association, which has invited the American Drug Manufacturers Association and the American Pharmaceutical Manufacturers' Association to participate.

AMA, which is sponsoring the committee, will have four members on the group, while ADMA and APMA will have two each.

The committee is expected to draw up a set of ethical principles for the preparation of promotional literature. Among the things AMA hopes to accomplish is some limitation on the number of promotional pieces mailed out by a drug company in a given period.

Chemical Exports to Soviets Tripled During Second Quarter To Reach Total of $175,300

Three times the value of chemical exports were allowed to go to Soviet Russia and its European satellites during the second quarter as in the first three months of 1956, Secretary of Commerce Weeks reported last week. Chemicals and plastics licensed to the European Soviet bloc in the second quarter totaled $175,300, as against the $58,900 in licenses issued for this commodity category during January-March.

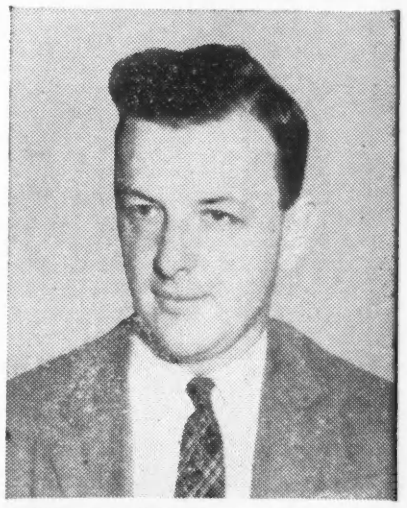
Non-strategic "N-type" synthetic rubber, valued at $122,800, accounted for most of the increase and represented "new" Soviet interest in this category of exports.

The value of drugs, medicinals, laboratory and medical equipment also rose sharply—to $112,800 from the $73,800 approved for the preceding quarter.

Department of Commerce licensed a total of $4,116,000 worth of non-strategic goods for export to USSR and its European satellites in April-June. During the first quarter of 1956, US imports from the European Soviet bloc totaled $13,871,000.

Principal items imported from that area during January-March included $3,221,000 worth of benzol and $780,000 worth of fertilizers and materials.

During the second quarter, Commerce disapproved export license applications for European Soviet bloc destinations valued at $185,000. These included such commodities as selenium metal, ethyl cellulose, carbon black, antibiotics and certain types of industrial and measuring instruments.



NOPCO RESEARCHER: Dr. John E. Ward, who will be responsible for the development of product research programs for the industrial divisions of Nopco Chemical Company.

Staley Appoints Chief Of Oil Refinery Section

David T. Mitchell has been named superintendent of the oil refinery section of the A. E. Staley Manufacturing Company, Decatur, Ill.

Mr. Mitchell, who has been with the Staley company for eighteen years, succeeds Maurice M. Durkee, who is retiring after thirty years with the company.

Until recently Mr. Mitchell had been in charge of the Staley monosodium glutamate plant, a position he had held since the plant was started in Decatur in 1948.

It was under Mr. Durkee's direction that the refining of domestic soybean oil was developed to make it edible. Long prominent in national programs of both corn and soybean oil development, Mr. Durkee is the author of many papers and talks in this field.

American Potash Makes Emerson Research Manager

Dr. William S. Emerson has joined American Potash & Chemical Corporation, Los Angeles, as manager of research at the company's Whittier, Calif., research laboratory.

Emerson was with Monsanto Chemical Company at St. Louis, Mo., from 1941 until he went with American Potash & Chemical Corporation. For the past two years he had been assistant development director for Monsanto.

P & G to Construct $40 Million Pulp Unit

Procter & Gamble Company, Cincinnati, Ohio, plans to build a $40 million chemical dissolving pulp production unit at its mill in Foley, Fla.

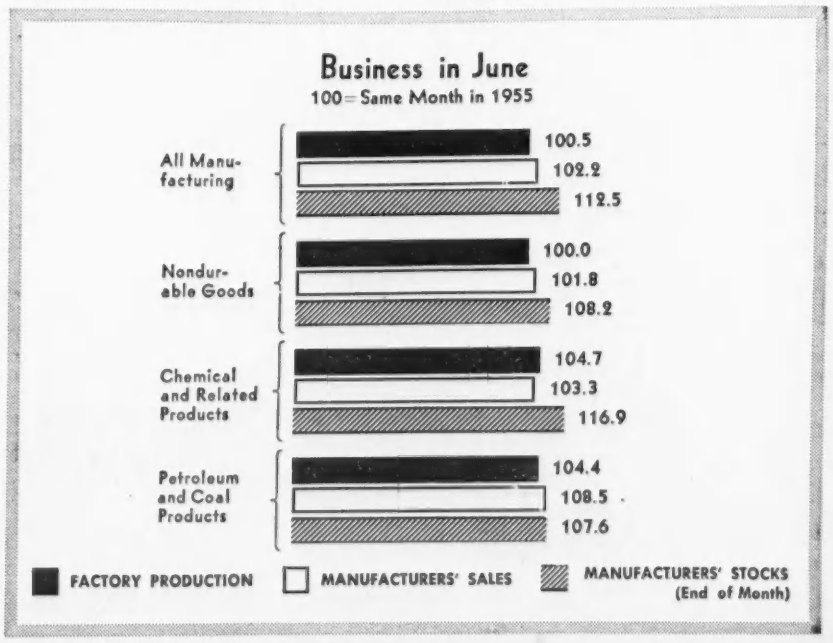
This disclosure was made by the company last week as it filed a registration statement for $70 million of debentures, due September 1, 1981. The public sale will be handled by an underwriting group headed by Goldman, Sachs & Co.

Net proceeds of the financing, P&G said, will be used for, among other things, construction of the pulp production unit. The Foley mill is scheduled to be completed in 1958.

Part of the remaining proceeds, Procter & Gamble said, will be used to retire short-term loans which totaled $9 million on July 31.

Some $7 million of these, it said, were incurred in connection with the purchase of additional timber lands in northwestern Florida to supply the Foley mill.

Remaining funds from the debenture sale, the company said, will be used for general corporate purposes, including the expansion of other facilities.



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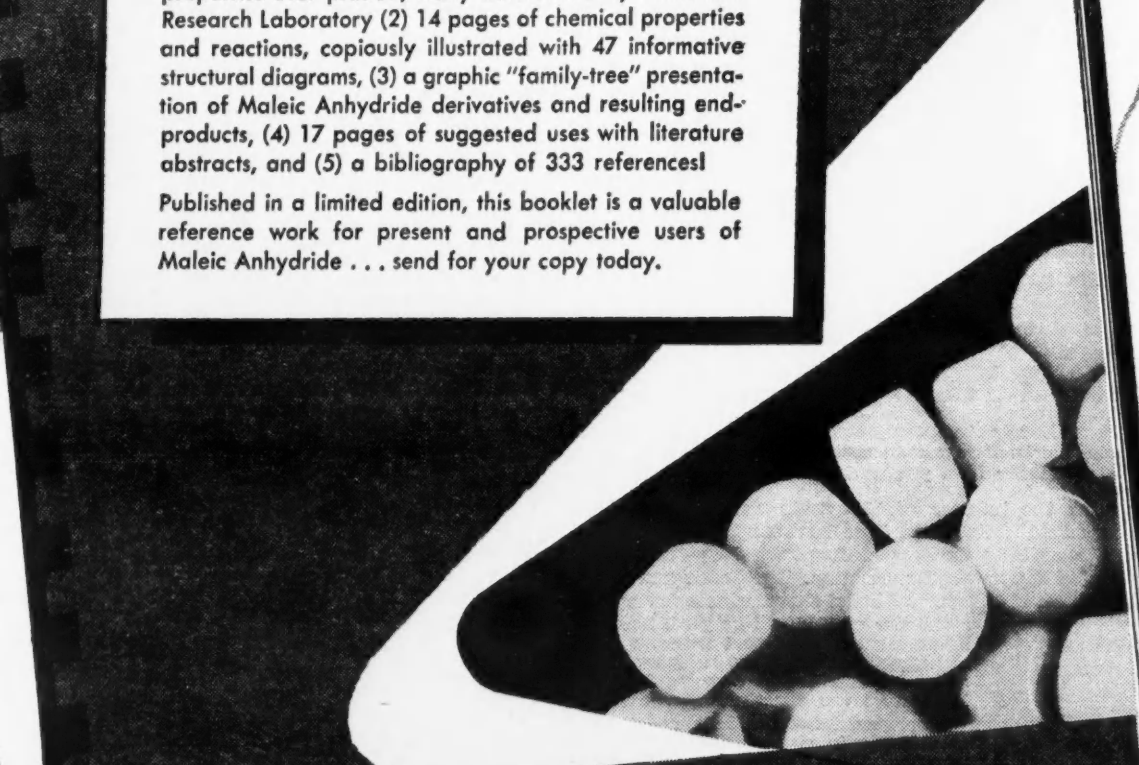

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1-3

CHEMICALS AND RELATED MATERIALS

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Current MARKET Quotations

Unless otherwise indicated, listings are first-hand quotations prevailing, according to information and belief, August 24 on large lots, f.o.b. New York, with the lowest in the left-hand column and the highest in the right-hand column. The listings do not represent bid and asked prices nor a range over the week. Differences between high and low may be accounted for by differences in quantity, quality, locality, or individual suppliers' views. An index to the weekly market reports is to be found on page 4.

A

Acacia (see Gum arabic).
Acenaphthene, below 92.5 C., m.p., dms., works lb. .40 - —
above 92.5 C., m.p., bbls., dms., lb. .41 - .50
Acetaldehyde, 99%, dms., c.l., dlvd. lb. .12 - —
l.c.l., dlvd lb. .13½- —
tanks, dlvd lb. .10 - —
Acetaldol (see Aldol).
Acetanilide, tech., flaked, bbls., bgs., c.l., frt. alld lb. .29 - —
ton lots lb. .30 - —
smaller lots lb. .33 - —
USP, bbls., 2,000-lb. lots lb. .80 - —
smaller lots lb. .81 - .85
Acetic anhydride, dms., c.l., dlvd. E. lb. .16½- —
l.c.l., dlvd, E lb. .17 - —
tanks, dlvd. E lb. .14 - —
Acetoacetanilide, fib. dms., c.l., dlvd lb. .80 - —
l.c.l., dlvd lb. .81 - —
Acetoacet-o-chloroanilide, fib. dms., c.l., dlvd. lb. 1.35 - —
l.c.l., dlvd lb. 1.36 - —
Acetoacet-o-toluidide, fib. dms., c.l., dlvd. lb. .82 - —
l.c.l., dlvd lb. .83 - —
Acetone, CP, dms., c.l., dlvd. lb. .10½- —
l.c.l., dlvd lb. .11½- —
tanks, dlvd lb. .08 - —
Methyl (see M).
Acetonitrile, dms., c.l., works lb. .45 - —
l.c.l., works lb. .47 - —
Acetophenetidin, USP, bbls., works, frt. equald lb. 1.17 - 1.19
Acetophenone, cns., dms lb. 1.21 - 1.85
tech., dms., l.c.l., works lb. .75 - —
N-Acetyl-p-aminophenol, dms., frt. adjusted lb. 1.75 - 1.85
Acetyltributyl citrate, tech., non-ret. dms., c.l., frt. alld. E. of Denver lb. .36 - —
l.c.l., frt. alld. E. of Denver lb. .35 - —
tanks, frt. alld. E. of Denver. lb. .33 - —
Acetyltriethyl citrate, tech., non-ret. dms., c.l., frt. alld. E. of Denver lb. .39 - —
l.c.l., frt. alld E. of Denver. lb. .40 - —
tanks, frt. alld. E. of Denver. lb. .37 - —
Acetyltri-2-ethylhexyl citrate, non-ret. dms., frt. alld lb. .60 - —
Acid, abietic, coml., dms., c.l., works lb. .12 - —
l.c.l., ex whse lb. .1490- —
cryst., dms., c.l. works lb. .06½- —
l.c.l., works lb. .07 - .07½
Acetic, coml., or redist., 28%, bbls 100 lbs. 4.80 - —
56%, bbls 100 lbs 8.25 - —
70%, bbls 100 lbs. 9.95 - —
80% bbls 100 lbs. 10.45 - —
glacial, syn., CP, dms., dlvd. 100 lbs. 22.00 - 23.00
tech. dms. c.l., dlvd 100 lbs. 13.75 - —
l.c.l., dlvd. 100 lbs. 14.25 - —
tanks, dlvd 100 lbs. 10.00 - —
USP chys., inclusive, dlvd., 100 lbs. 31.00 - 32.00
Acetic anhydride (see Acetic anhydride above).
Acetylsalicylic, USP, special, makers, primary distrib., bbls., 1,000-lb. lots, point of shipt lb. .61 - —
standard, fine, cryst., gran., (30-40 mesh) powd., (60 mesh) bbls., 1,000-lb. lots. lb. .56 - .58
Freight equald, shipt, identical quantity over standard routes, from N. Y., Phila., Midland, Mich. Chicago and St. Louis.
Adipic, bgs., c.l., dlvd lb. .32 - —
l.c.l., dlvd lb. .34¾- —
Aminoacetic, NF, bbls., frt. adjusted lb. 1.50 - 1.75
p-Aminobenzoic, tech., dry, dms., works lb. 1.74 - 1.77
USP, dms., 1,000-lb. lots or more, works lb. 2.50 - —
smaller lots, works lb. 2.55 - 2.60
p-Aminosalicylic, dms., 100 lbs or more, frt. adjusted lb. 3.70 - —
Anthranilic, 99%, 150-lb. dms., dlvd. lb. 1.10 - —
Arsenous, tech. (see Arsenic, white).
USP (see Arsenic trioxide).
Ascorbic USP, dms., 25-100 kilo lots kilo. 12.00 - —
10-kilo lots kilo. 12.35 - —
5-kilo lots kilo. 12.75 - —
bots, 1-kilo lots kilo. 13.00 - —
500-gram lots kilo. 13.50 - —
Battery, chys., c.l., works, E. 100 lbs. 2.35 - —
l.c.l., works, E. 100 lbs. 2.65 - 3.45

Acid, benzoic, tech., bbls., dms., 100-lb. lots or more lb. .44 - —
USP, bbls., dms., 100-lb. lots or more lb. .54 - —
Betahydroxynaphthoic (see Acid, b-Oxynaphthoic).
Betaoxynaphthoic (see Acid b-Oxynaphthoic).
Boric, tech., 99.9%, cryst., bgs., c.l., works ton. 126.75 - —
ton lots, ex whse, N. Y. or Chi ton. 176.50 - —
smaller lots, same basis. ton. 181.50 - —
dms., c.l., works ton. 151.25 - 172.25
ton lots, ex whse, N. Y. or Chi ton. 201.00 - 222.00
smaller lots, same basis. ton. 206.00 - 227.00
gran., bgs., c.l., works ton. 101.75 - —
ton lots, ex whse, N. Y. or Chi ton. 151.50 - —
smaller lots, same basis. ton. 156.50 - —
dms., c.l., works ton. 126.25 - 147.25
ton lots, ex whse, N. Y. or Chi ton. 176.00 - 197.00
smaller lots, same basis. ton. 181.00 - 202.00
bulk, c.l., works ton. 95.75 - —

Acid, boric, tech., 99.9%, powd., bgs., c.l., works ton. 106.75 - —
ton lots, ex whse, N. Y. or Chi ton. 156.50 - —
smaller lots, same basis. ton. 161.50 - —
dms, c.l. works ton. 131.25 - 152.25
ton lots, ex whse., N. Y. or Chi ton. 181.00 - 202.00
smaller lots, same basis. ton. 185.00 - 207.00
Boric acid in kegs $45.50 per ton higher than in paper bgs USP boric Acid $25 per ton higher
Broenners, bbls lb. 1.76 - —
Butyric, 99%, dms., c.l., works lb. .34 - —
l.c.l., works lb. .34½- —
tanks, works lb. .32½- —
Capric, dms lb. .25 - .27
Caprylic, dms lb. .25 - .27
Cassella, dms, frt alld., 100% basis lb. 1.44 - 1.75
Castor oil, dms lb. .17¾- .19¼
Chicago, paste bbls., frt. alld lb. 3.21 - —
Chloroacetic, mono purif., flake, 99%, dms lb. .23½- .25½
tech. flake 96-97%, dms., frt. equald lb. .20 - .21
o-Chlorobenzoic, fib. dms., t.l., works lb. 1.10 - —
smaller lots, works lb. 1.25 - —

Acid, p-chlorobenzoic, fib. dms., 2,000 lbs. or more, works lb. 2.25 - —
less than 2,000 lbs., same basis. lb. 2.30 - —
Chlorosulfonic, dms., c.l., frt. equald lb. .0465- —
l.c.l., frt. equald lb. .0515- —
tanks, frt. equald lb. .0415- —
Acid, chlorosulfonic, in stainless steel dms. ½c. per lb. higher.
Chromic, 99¾%, dms. c.l., works, frt. equald lb. .28½- —
l.c.l., dlvd. N. Y. metropolitan area lb. 29 .30
NF (see Chromium trioxide).
Cinnamic, refd., bots lb. 2.50 3.50
Citric, USP anhyd gran., fine gran., bgs., dms., c.l. lb. .29½ .30
10,000-lb lots, 1 shipt. lb. .30 .30½
smaller lots lb. .30½- .31
hydrous, gran., fine gran., bgs., dms., c.l lb. .27½- .28
10,000-lb lots, 1 shipt. lb. 28 .28¾
smaller lots lb. 29 .29½
Powdered citric acid ½c. higher
Cleves, mixed bbls lb 79 —
Coconut oil, dist., dms lb. 25 - .27
tanks lb. .23 - —
dbl dist., dms lb. .25 - .27
tanks lb. .23 - .24
Corn oil, dist., dms lb. .16¾- .18½
tanks lb. .14¾- —
Cottonseed oil, dist., dms lb. .15¾- .17¾
tanks lb. .13¾- —
2,3-Cresotic, dms., ton lots, works. lb. .70 - —
less than ton lots, works lb. .72 - —
Cresylic, oaltar, dom., resin and tricresyl phosphate grade, 50%, 207° or above, tanks, frt. equald. gal. 1.10 - —
204° to 207° C., tanks, frt. equald gal. 1.20 - —
non-resin grade, 50°, 210° or above, total range over 9° C., dms., c.l., frt. equald. gal. 1.15 - —
l.c.l., frt. equald gal. 1.19 - 1.20
tanks, frt. equald gal. 1.00 - —
Imp., 75% at 215° C. or over, dms., ex whse gal. .95 - —
petroleum, dom., 195° to 214°C., non-ret. dms., 65 to c.l., works, San Francisco and Los Angeles gal. .80 - —
l.c.l., same basis gal. .82 - .84
tanks, same basis gal. .65 - —
200° C. to 222° C., tanks, Wilmington, Cal lb. .63 - .72
211° C. to 237° C., non-ret, dms., c.l., San Francisco and Los Angeles gal. .76 - —
l.c.l., same basis gal. .78 - .80
tanks, same basis gal. .61 - —
220° C. to 242° C., tanks, Wilmington, Cal lb. .62 - .67
245° C. to 295° C., tanks, Wilmington, Cal gal. .50 - —
Crotonic, fib. dms., 200 lbs. or more, works lb. .50 - —
Cyanoacetic, tech., bbls. lb. .90 - 1.25
Dichlorophenoxyacetic (see 2,4-D).
Diethylbarbituric (see Barbital).
Diglycolic, bgs., works lb. .14 - —
Dithiodibenzoic, dms., 1,000-lb. lots, works lb. 1.45 - —
2-Ethyl hexoic, dms., c.l., dlvd. lb. .37 - —
l.c.l., dlvd lb. .38 - —
tanks, dlvd lb. .34½- —
F, crude, paste bbls, works lb 2.10 —
Folic, bots fib cns kilo lots or more gram 1.40 - —
Formic, 85%, cbys., c.l., works lb. 1570- —
l.c.l., works lb. .1620- .1720
90%, cbys c.l. works lb. .1625- —
l.c.l. works lb. .1673- .1775
Fumaric, tech., bgs., dms., c.l., frt. alld. E lb. .25½- —
l.c.l., same basis lb. .26½- —
Gallic, NF VII bbls. 1,000-lb. lots lb. 1.80 —
smaller lots lb. 1.82 - 2.00
tech., bbls., 1,000-lb lots lb. 1.58 —
smaller lots lb. 1.82 2.00
Gamma, dry, grd., bbls., frt. alld. lb. 1.50 - —
paste, bbls frt alld lb 1.45 - —
Gentisic, 100-lb fib dms. lb 8.50 - —
Gluconic, tech., 50% bots. lb. .23 - .35
cbys. lb. 19 —
dms. lb. 15½- —
l-Glutamic, 99½% fib dms., 100-lb. lots, works lb. 2.00 - —
25-lb. lots, works lb. 2.05 - —
Glycolic (see Acid hydroxyacetic).
H, dry, bbls., c.l., works, 100% basis lb. 1.00 - —
l.c.l., same basis lb. 1.02 - —
Hydriodic, 1.50 s.g., cbys lb. 2.94 - —
1.70 s.g., cbys lb. 3.23 - —
Hydrobromic, medicinal, 48%, cbys., dlvd. E lb. .37 - .43
Hydrochloric, anhyd. (see Hydrogen chloride).
18° cbys., c.l., works 100 lbs. 2.50 - —
l.c.l., dlvd., Metropolitan area 100 lbs. 2.90 - 3.05
tanks, works, frt. equald ton. 28.00 - —
20° cbys., c.l., works 100 lbs. 2.75 - —
l.c.l., dlvd., Metropolitan area 100 lbs. 3.15 - —
tanks, works, frt. equald ton. 30.00 - —
22° cbys., c.l., works 100 lbs. 3.25 - —
l.c.l., dlvd., Metropolitan area 100 lbs. 3.65 - —
tanks, works, frt. equald ton. 35.00 - —
CP, USP, consumers, cbys., extra, c.l., works lb. .11¾- .13¾
l.c.l., same basis lb. .13¼- .17¾
3-pint bots, extra, cs., c.l., same basis lb. .16¾- .20¾
l.c.l., same basis lb. .18¼- .23¼
Acid, hyrdochloric, CP, USP, prices to dealers 1½c. per lb. less.
Hydrocyanic, cyls., c.l., dlvd lb. .70 - —
l.c.l., same basis lb. .75 - .90
dilute, NF, 2%, 5-lb. bots lb. .40 - —
Hydrofluoric, anhyd. (see Hydrogen fluoride).
aqueous, tanks, works lb. .21 - —
70%, steel, dms., works lb. .18½- .22½
Hydrofluosilicic, dms., works, 30% basis lb. .06 - —
Hydroxyacetic, tech., 70%, non-ret. bbls., Phila., 100% basis lb. .136 - —
tanks, Belle, W. Va., 100% basic lb. .095 - —
Hypophosphorus, purif., 50%, cbys lb. 1.30 - 1.32
USP, cbys. lb. .88 - —
Isonicotinic, 100-lb. fib. dms., works lb. 4.25 - —
Hydrazide (see Isoniazid).
Itaconic, tech., fib. dms., c.l., works lb. .43 - —
l.c.l., works lb. .44 - —
purif., fib. dms., c.l., works lb. .53 - —
l.c.l., works lb. .54 - —
J, paste bbls., works, 100% basis. lb. 2.45 - —
powd., bbls., same basis lb. 2.50 - 2.65
Koch, bbls., frt. alld., 100% basis. lb. 1.00 - —
L, bbls., works lb. 1.25 - —

Abbreviations

Used in OPD Market Quotations

alld.	allowed	distr.	distributor	NNR	New and Nonofficial Remedies
amorph.	amorphous	djns.	demijohns	No.	number
AMP	American melting point	dlvd.	delivered	nom.	nominal
anhyd.	anhydrous	dms.	drums	o-	ortho
a.p.a.	available phosphoric acid	dom.	domestic	ord.	ordinary
approx.	approximately	E.	east	oz.	ounce
artif.	artificial	e.p.	end point	p-	para
ASTM	American Society for Testing Materials	equald.	equalized	Pac.	Pacific
		exp.	expressed	pf.	proof
Atl.	Atlantic	F.	fahrenheit	phos.	phosphate
Be.	Baume	ferment.	fermentation	photo.	photographic
bbls.	barrels	f.f.a.	free fatty acid	pkgs.	packages
bgs.	bags	f.f.c.	free from chlorine	powd.	powdered
bls	bales	fib.	fiber	precip.	precipitated
bots.	bottles	f.o.b.	free on board	prod.	producer
b.p.	boiling point	f.p.a.	free of prussic acid	pt.	point
b.p.l.	bone phosphate of lime	frt.	freight	pulv.	pulverized
b.r.	boiling range	gal.	gallon	purif.	purified
bxs.	boxes	gran.	granular	redist.	redistilled
C.	centigrade	grd.	ground	refd.	refined
cbys.	carboys	I.&a.	iron and aluminum	refy.	refinery
CD	completely denatured	I.b.p.	initial boiling point	reg.	regular
c.i.f.	cost, insurance, freight	imp.	imported	resub.	resublimed
cks.	casks	incl.	included	ret.	returnable
c.l.	carlots	indust.	industrial	SD	specially denatured
cns.	cans	kgs.	kegs	s.d.	single distilled
coml.	commercial	l-	laevo	S. E.	southeast
conc.	concentrated	lacq.	lacquer	sec.	secondary
CP	chemically pure	lb.	pound	secs.	seconds
cps.	centipoises	l.c.l.	less than carlots	s.g.	specific gravity
cryst.	crystal	l.t.l.	less truckload	ship't	shipment
cs.	cases	liq.	liquid	soln.	solution
ctns.	cartons	mfrs.	manufacturers	s.u.	standard unit
cyls.	cylinders	m-	meta	syn.	synthetic
d-	dextro	m.a.p.	mixed aniline point	tanks.	railroad tankcars
dbl.	double	min.	minimum	tech.	technical
denat.	denatured	m.p.	melting point	tert-	tertiary
dest-dist.	destructive-distilled	N-	nitrogen	t.l.	truck loads
dl-	dextro-laevo	n-	normal	t.w.	tank wagons
dist.	distilled	nat.	natural	USP	U. S. Pharmacopoeia
		neut.	neutral	vis.	viscosity
		NF	National Formulary	VM&P	varnish makers & painters
				W.	west
				whse.	warehouse
				w. w.	water-white

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown gives the price of 2,000 pounds of the material.

Acid, lactic, edible, 50%, bbls., 20 or more lb. .1821- .215
smaller lots lb. .1921- .225
80%, bbls., 5 or more lb. .3121- .37
smaller lots lb. .3171- .375
plastic grade, 50%, bbls., 20 or more, works lb. .23 - —
1 to 19 lb. .235 - —
80%, bbls., 5 or more lb. .385 - —
tech., 22%, bbls., c.l., works 100 lbs. 6.30 - —
l.c.l., works 100 lbs. 6.70 - —
cbys., l.c.l., works 100 lbs. 12.20 - —
44%, bbls., c.l., works 100 lbs. 11.45 -11.95
l.c.l., works 100 lbs. 11.85 -12.35
USP, 85%, cbys. lb. .85 - .88
Laurent's, bbls lb. .69 - —
Lauric, 90%, dms lb. .36½- .38½
Linseed oil, dist., dms lb. .1900- —
w.w., dms lb. .2200- —
Maleic, cryst., powd., dms lb. .37 - .38
Malic, tech., dms lb. .50 - —
Mandelic, NF, dms., 1,000-lb. lots. lb. 2.35 - —
smaller lots lb. 2.40 - 2.50
Metanilic, dms., works lb. .57 - .75
Methacrylic, glacial, 98%, dms., truckloads, works lb. .54½- —
smaller lots, works lb. .55 - —
Molybdic, 85%, dms., works lb. 1.26 - —
Monochloroacetic, purif. (see Acid, Chloracetic mono-).
Muriatic (see Acid, hydrochloric).
Myristic, dms lb. .26 - .28

Acid, 1-naphthol-4 sulfonic (see Acid, Neville and Winthers).
1-Naphthol-5-sulfonic (see Acid, L).
1-Naphthol-5-sulfonic, 8-amino (see Acid, S).
1-Naphthol-3,6-disulfonic, 8-amino (see Acid, H).
2-Naphthol-6,8-disulfonic (see Acid, Gamma).
5-Naphthol-7-sulfonic, 2-amino (see Acid, J).
Naphtholsulfonic, mixed (see Acid, Cleve's).
1-Naphthylamine-5-sulfonic (see Acid, Laurent's).
2-Naphthylamine-4,8-disulfonic (see Acid, Casella).
2-Naphthylamine-6-sulfonic (see Acid, Broener's).
2-Naphthylamine-7-sulfonic (see Acid, F).
2-Naphthylamine-1-sulfonic (see Acid, Tobias, Nevile and Winther's, dms., frt. alld lb. 1.20 - —
Nicotinic, USP, dms., dlvd kilo. 8.00 - 8.30
Amide, USP (see Nicotinamide).
Nitric, 36° Be, cbys., c.l., works, E 100 lbs. 5.75 - —
l.c.l., works, E 100 lbs. 6.05 - 6.85
38° Be, cbys., c.l., works, E. 100 lbs. 6.25 - —
l.c.l., works, E 100 lbs. 6.55 - 7.35
40° Be, cbys., c.l., works, E. 100 lbs. 6.75 - —
l.c.l., works, E 100 lbs. 7.05 - 7.85
42° Be, cbys., c.l., works, E. 100 lbs. 7.25 - —
l.c.l., works, E 100 lbs. 7.55 - 8.35
58.5 to 68% HNO_3, tanks, works, 100% basis 100 lbs. 3.90 - —
94½ to 95½% HNO_3, tanks, works, 100% basis 100 lbs. 4.90 - —

Acid, nitric, CP, NF, consumer, cbys. extra, c.l., works lb. .13½- .18¼
l.c.l., same basis lb. .15 - .20½
5 pt. bots. extra, cs., c.l., same basis lb. .17½- .22½
l.c.l., same basis lb. .19 - .25
p-Nitrobenzoic, dms., c.l., works, lb. .72 - —
l.c.l., works lb. .73 - —
Oleic, s.d., dms lb. .18½- .20½
tanks lb. .16½- —
dbl. dist. (white), dms. lb. .20½- .22½
tanks lb. .18½- —
Oleum (see Acid, sulfuric, fuming).
Orthochlorobenzoic (see Acid, o-Chlorobenzoic).
Orthocresotinic (see Acid, 2,3-Creosotic).
Oxalic, bbls., c.l., works lb. .16½- —
10,000-lb. lots, works lb. .16¾- —
smaller lots, works lb. .17¾- —
b-Oxynaphthoic, fib. dms., 250 lbs. or more, frt. alld. lb. 1.14 - 1.17
Palm, dist., dms lb. .14¾- .16¾
tanks lb. .12¾- —
Para-aminobenzoic (see Acid, p-Aminobenzoic).
Para-aminosalicylic (see Acid, p-Aminosalicylic).
Parachlorobenzoic (see Acid, p-Chlorobenzoic)
Paramethylphenylcinchonic (see Neocinchophen)
Paranitrobenzoic (see Acid, p-Nitrobenzoic)
Paratoluidinmetasulfonic (see Acid, p-Toluidine m-sulfonic)
Phenylacetic, pure, cryst. cns. lb. 1.45 - 1.75
Phenylcinchoninic (see Cinchophen).
Phenylglycolic (see mandelic).
Phosphoric, food grade, 75%, cbys., c.l., works, E., frt. equald 100 lbs. 6.75 - —
l.c.l., same basis 100 lbs. 7.00 - 7.50
tanks, works 100 lbs. 5.35 - —
80%, cbys., c.l., frt. alld. 100 lbs. 7.60 - —
l.c.l., works 100 lbs. 7.85 - 9.10
tanks, works 100 lbs. 5.75 - —

Acid, phosphoric, NF, 85%, cbys., c.l., works lb. .0825- —
l.c.l., works lb. .0850- .0978
tanks, works lb. .0640- —
Picric, NF, bbls lb. .60 - —
tech., bbls lb. .34 - .35
Propionic, syn., pure, dms., c.l., frt. alld lb. .22¾- —
l.c.l., frt. alld lb. .23¾- —
tanks, frt. alld lb. .20¾- —
Pyrogallic, NF, (see Pyrogallol).
tech., bbls lb. 2.76 - 2.99
Ricinoleic (see Acid, castor oil, split).
S., bbls., works lb. 3.25 - —
Salicylic, crude, fib. dms., c.l., frt. alld lb. .35 - —
l.c.l., frt. alld. on 100 lbs. or more lb. .36 - —
sublimed, tech., fib. dms., c.l., dlvd lb. .37 - —
l.c.l., dlvd. lb. .41 - —
USP, cryst., fib. dms lb. .48 - —
powd., fib. dms lb. .55 - —
Sebacic, purif., dms., c.l., works lb. .64 - —
l.c.l., works lb. .66 - .70
Soybean oil, dbl. dist., dms lb. .18¾- .20¾
tanks lb. .16¼- —
s.d., dms lb. .17¼- .19¼
tanks lb. .15¼- —
Stearic, dbl. pressed, bgs lb. .15¼- .17¼
single pressed, bgs lb. .14¾- .16¾
triple pressed, bgs lb. .17½- .19½
Succinic, purif., cryst., bbls., works lb. .62 - .75
Sulfanilic, tech., dms., c.l., frt. alld lb. .19 - —
l.c.l., frt. alld lb. .21 - —
Sulfuric, 60° Be, cbys., c.l., works 100 lbs. 2.00 - —
l.c.l., works 100 lbs. 2.45 - —
tanks, works ton. 18.60 - —
66° Be, cbys., c.l., works. 100 lbs. 2.25 - —
l.c.l., works 100 lbs. 2.55 - 3.35
tanks, works ton. 22.35 - —
98%, tanks, works ton. 23.50 - —
99-100%, tanks, works ton. 23.95 - —
CP, NF, consumers, frt. equald. lb. .09¾- .12¾
l.c.l., same basis lb. .11¼- .14¾
5-pt. bots., extra cs., c.l., works, frt. alld lb. .13¼- .16¼
l.c.l., same basis lb. .14¾- .18¾
fuming (oleum), 20%, tanks, works ton. 25.00 - —
40%, tanks, works ton. 29.00 - —
65%, tanks, works ton. 39.50 - —
Tall, dms., c.l., works lb. .09 - .09¼
tanks, works lb. .07½- .08
Tallow, dist., dms lb. .15¼- .17¼
tanks lb. .13¼- —
hydrogenated, dms lb. .14¼- .16¼
Tannic, NF, fluffy, bbls., 1,000-lb. lots lb. 2.05 - —
smaller lots lb. 2.06 - 2.10
powd., bbls., 1,000-lb. lots lb. 1.95 - —
smaller lots lb. 1.96 - 2.01
tech., dms lb. 1.05 - —
Tartaric, USP, dom., 230 or 250-lb. dms., c.l. lb. .47 - —
10,000-lb. lots, 1 shipt lb. .47½- —
smaller lots lb. .48 - —
100-lb. dms. lb. .49 - —
imported lb. .39½- .40
Thioglycolic, refd., cbys., 100% basis lb. 1.35 - 1.55
Thiosalicylic, purif., dms., 1,000-lb. lots, works lb. 4.00 - —
Tobias, bbls., frt. alld lb. .81 - —
p-Toluenesulfonic, dms., c.l., t.l., works lb. .17 - —
l.c.l., works lb. .18 - —
p-Toluene sulfonic, monohydrate, dms., c.l., or t.l. lb. .90 - —
125 lbs. to t.l. lb. 1.00 - —
p-Toluidine-m-sulfonic, bbls., works lb. .92 - 1.04
Trichloroacetic, bots. lb. 2.00 - 2.50
Trichlorophenoxyacetic (see 2,4,5-T).
Tungstic, tech., kgs., works lb. 4.25 - —
Undecylenic, dms lb. 1.40 - —
Aconite root, bls lb. .50 - .55
Acrolein, tech., dms., c.l., works lb. .47 - —
l.c.l., works lb. .47½- —
tanks, works lb. .46 - —
Acrylonitrile, dms., c.l., t.l., works. lb. .30 - —
l.c.l., l.t.l., works lb. .31 - —
tanks, works lb. .27 - —
ACTH, cryst., bulk, 1,000 units/gram, bots gram 15.00 - —
Adeps lanae (see Lanolin).
Adrenocorticotropic hormone (see ACTH).
Agar, USP, Kobe No. 1, strip, bls. lb. 2.35 - 2.50
powdered, 30 mesh, fib., dms lb. 2.65 - 2.75
dl-Alanine, dms., works lb 8.50 -11.00
Albumin, blood, dark (see Blood, dried, soluble).
light, dms lb. .65 - 1.00
Egg, edible, cryst., powd., bbls. lb. 1.89 - 1.91
flake lb. 1.85 - 1.87
tech., cryst., bbls lb. 1.08 - 1.10
Alcohol, allyl, dms., c.l. dlvd lb. .32 - —
l.c.l., dlvd lb. .33 - —
tanks, dlvd lb. .30 - —
Amyl, ex fusel oil (see Fusel oil, refd.)
ferment., refd., 128°-132°C., dms., l.c.l., dlvd lb. .43 - —
ACS grade, dms., l.c.l., dlvd lb. .45 - —
ex-pentane, mixed, amyls, dms., c.l., frt. alld lb. .18 - —
l.c.l., frt. alld lb. .19 - —
tanks, frt. alld lb. .15½- —
primary, dms., c.l., frt. alld. lb. .19¼- —
l.c.l., frt. alld lb. .20¼- —
tanks, frt. alld lb. .17¼- —
sec-synthetic, dms., c.l., works, frt. alld lb. .18½- —
l.c.l., works lb. .19½- —
tanks, works lb. .16½- —
tert-synthetic, dms., c.l., frt. alld. E lb. .18 - —
l.c.l., frt. alld E lb. .19 - —
tanks, frt. alld E lb. .15½- —
1-pentanol, (syn. normal), dms., c.l., works lb. .41½- —
l.c.l., works lb. .42½- —
tanks, works lb. .39½- —
2-pentanol, dms., c.l., works lb. .65 - —
l.c.l., works lb. .70 - —
tanks, works lb. .60 - —
Benzyl, NF, dms lb. .64 - .79
tech., dms., dlvd lb. .47½- .49
n-Butyl, ferment., dms., c.l., frt. alld lb. .16 - —
l.c.l., frt. alld lb. .17 - —
tanks, frt. alld lb. .13½- —
synthetic, dms., c.l., dlvd lb. .16 - —
l.c.l., dlvd lb. .17 - —
tanks, dlvd lb. .13½- —
sec-synthetic, dms., c.l., dlvd. lb. .14 - —
l.c.l., dlvd. lb. .15 - —
tanks, dlvd lb. .11½- —
tert-synthetic, dms., c.l., frt. alld. lb. .14 - —
l.c.l., frt. alld lb. .15 - —
tanks, frt. alld lb. .12 - —
Capryl, 95%, dms., c.l., works lb. .21½- —
l.c.l., works lb. .22½- .23½
tanks, works lb .19½- —
Cetyl, extra, fib. cns., 500-lb. lots or more lb. .65 - .72
NF, fib. cns., 140-lb. lots or more lb. .48 - —
Cinnamic, bots lb. 2.15 - 2.75

true as a plumb...

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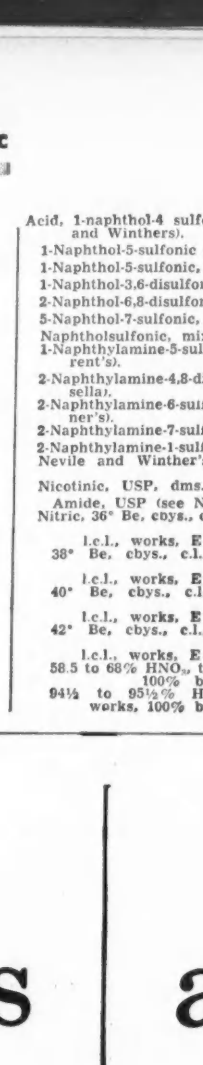

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Alcohol, decyl mixed isomers, dms., c.l., dlvd lb. .23½- —
l.c.l., dlvd lb. .24½- —
tanks, dlvd lb. .21 - —
perfume grade, bots lb. 1.75 - 2.00
normal isee 1-Decanol).
Denat, CD-12, CD-13, CD-14, CD-17, dms., c.l., dlvd. E of Rockies gal. .64½- .66
l.c.l., same basis gal. .69½- .77
tanks, dlvd., same basis. gal. .48½- .50
Tankcar sales require written authorization by Alcohol and Tobacco Tax Div.

Proprietary solvent, dms., c.l., dlvd. E. of Rockies gal. .66 - —
l.c.l., same basis gal. .71 - .77
tanks, same basis gal. .50 - —
Tankcar sales require written authorization by Alcohol and Tobacco Tax Div.

SD1, dms., c.l., dlvd. E. of Rockies gal. .66 - —
l.c.l., same basis gal. .71 - .77
tanks, same basis gal. .50 - —
SD2B, dms., c.l., dlvd. E. of Rockies gal. .64 - —
l.c.l., same basis gal. .69 - .75
tanks, same basis gal. .48 - —
SD3A, dms., c.l., dlvd. E. of Rockies gal. .635 - —
l.c.l., same basis gal. .685 - .745
tanks same basis gal. .475 - —
SD23A, dms., c.l., dlvd. E. of Rockies gal. .655 - —
l.c.l., same basis gal. .705 - .765
tanks, same basis gal. .495 - —
SD23H, dms., c.l., dlvd. E. of Rockies gal. .66 - —
l.c.l., same basis gal. .71 - .77
tanks, same basis gal. .50 - —
SD29, dms., c.l., dlvd. E. of Rockies gal. .645 - —
l.c.l., same basis gal. .695 - .755
tanks, same basis gal. .485 - —
SD30, dms., c.l., dlvd. E. of Rockies gal. .63 - —
l.c.l., same basis gal. .68 - .74
tanks, same basis gal. .47 - —
SD35A, dms., c.l., dlvd. E. of Rockies gal. .665 - —
l.c.l., same basis gal. .715 - .775
tanks, same basis gal. .505 - —
SD40, dms., c.l., dlvd. E. of Rockies gal. .645 - —
l.c.l., same basis gal. .695 - .755
tanks, same basis gal. .485 - —

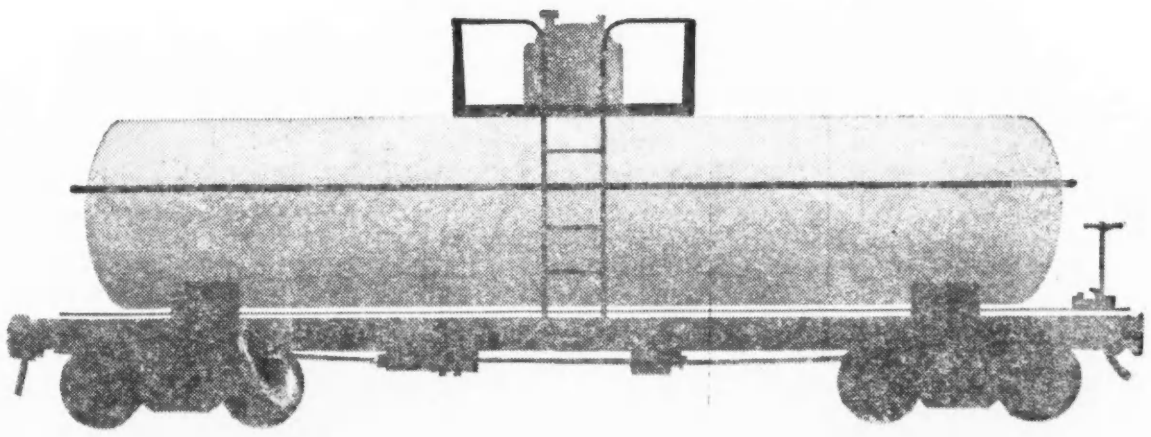
West coast dlvd. prices are the same as eastern prices, except in Idaho, Montana, Oregon and Washington, where a 5c. differential on tankcars is maintained.

Diacetone, acetone-free, dms., c.l., dlvd lb. .15 - —
l.c.l., dlvd lb. .16 - —
tanks, dlvd lb. .125 - —
tech., dms., c.l., dlvd lb. .145 - —
l.c.l., dlvd lb. 1.55 - —
tanks, dlvd lb. .12 - —
Ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd. E. of Rockies gal. 20.58 - —
l.c.l., same basis gal. 20.63 - 20.69
tanks, same basis gal. 20.42 - —
tax free, dms., c.l., dlvd. E. of Rockies gal. .63 - —
l.c.l., same basis gal. .68 - .74
tanks, same basis gal. .47 - —
absolute, 200 pf. tax paid, dms., dlvd. E. of Rockies gal. 21.68 - —
l.c.l., same basis gal. 21.73 - 21.79
tanks, same basis gal. 21.52 - —
2-Ethylbutyl, dms., c.l., works lb. .30 - —
l.c.l., works lb. .30¼- —
tanks, works lb. .28 - —
2-Ethylhexyl, dms., c.l., dlvd. E. lb. .24¼- —
l.c.l., same basis lb. .25¼- —
tanks, same basis lb. .21¾- —
Furfuryl cns. works lb. .29 - —
dms., c.l., Memphis, Tenn. lb. .20 - —
Newark, N. J. lb. .21½- —
l.c.l., Memphis, Tenn. lb. .21 - —
Newark, N. J. lb. .22½- —
tanks, Memphis, Tenn lb. .184 - —
Hydroabietyl, tech., solid, Zone 1, dms., c.l., dlvd lb. .27 - —
l.c.l., dlvd lb. .27½- —
tanks, dlvd lb. .25 - —
Isoamyl, dms., c.l., works, frt. alld. E. lb. .28 - —
l.c.l., same basis lb. .29 - —
tanks, same basis lb. .25 - —
Isobutyl, dms., c.l., dlvd lb. .15 - —
l.c.l., dlvd lb. .16 - —
tanks, dlvd lb. .12¼- —
Iso-octyl, dms., c.l., dlvd. E. lb. .23½- —
l.c.l., dlvd E lb. .24½- —
tanks, dlvd E lb. .21 - —
Isopropyl, refd., 91%, dms., c.l., dlvd gal. .53 - —
l.c.l., dlvd gal. .60 - —
tanks, dlvd gal. .37 - —
95%, c.l., dlvd gal. .55 - —
l.c.l., dlvd gal. .62 - —
tanks, dlvd gal. .39 - —
99%, dms., c.l., dlvd gal. .57 - —
l.c.l., dlvd. gal. .64 - —
tanks, dlvd gal. .41 - —
Lauryl, bots lb. 2.00 - 2.50
Methyl (see Methanol).
Methylamyl (see Methyl isobutyl carbinol).
Octyl, perfumer's grade, bots. lb. 1.60 - 3.25
tech. (see Octanol, normal).
2-Phenylethyl, extra, dms lb. 1.14 - 1.45
standard, dms lb. 1.10 - 1.60
n-Propyl, dms., c.l., dlvd lb. .13 - —
l.c.l., dlvd lb. .14 - —
tanks, dlvd lb. .10½- —
Tetrahydrofurfuryl, dms., c.l. or t.l., f.o.b. Memphis, Tenn lb. .37 - —
l.c.l. or l.t.l., f.o.b. Memphis, Tenn. lb. .38 - —
f.o.b. Newark, N. J. lb. .40 - —
tanks, dlvd. E. of Denver lb. .363 - —
dlvd. W. of Denver lb. .375 - —
Tridecyl, mixed isomers, dms., dlvd. lb. .26½- —
l.c.l., dlvd lb. .27½- —
tanks, dlvd lb. .24 - —
Wood (see Methanol).
Aldol, 95%, dms., works lb. .23 - —
denaturing grade, dms gal. 2.15 - —
Aldrin, tech., fib. dms., c.l., t.l., dlvd lb. .80 - —
l.c.l., dlvd lb. .85 - —
Aletris root, bgs lb. 1.75 - 1.85
Algin (see Sodium alginate).
Alizarine (see 1,2-dihydroxy anthraquinone).
Allethrin, 90%, dms., frt. alld lb. 28.80 - 28.90
soln., 20%, dms., 200-2,000 lb. lots, frt. alld lb. 6.50 - 6.55
2½%, dms., frt. alld lb. .95 - 1.00
Allspice (see Pimento).
Allyl bromide, cbys., works lb. 1.45 - 1.50
Chloride, dms., c.l., dlvd lb. .17 - —
l.c.l., dlvd lb. .18 - —
tanks, dlvd lb. .15 - —
Aloe, Cape, cs lb. .45 - .48
powd., cs lb. .50 - —
Curacao, kgs lb. .50 - .55
Aloin, USP, bbls., dms., kgs lb. 3.75 - 3.82
Alphanaphthol (see a-Naphthol).
Alphanaphthylamine (see a-Naphthylamine).
Alphanitronaphthalene (see a-Nitronaphthalene).
Alphapicoline (see a-Picoline).
Alphaterpineol (see a-Terpineol).
Alphatocopherol (see a-Tocopherol).

Alum, ammonium, gran., bgs., works 100 lbs 4.30 - —
lump, dms., works 100 lbs 5.05 - —
powd., dms., works 100 lbs 5.20 - —
USP, burnt, dms lb. .20 - .21
hydrous, dms lb. .07¾ .08
Potassium, gran., bgs., works. 100 lbs. 4.55 - —
lump, dms. works 100 lbs 5.30 - —
powd., dms., works 100 lbs 5.45 - —
USP, burnt, dms lb. .20 - .21
hydrous, dms lb. .07¾ .08
Potash-chrome, dms lb. .17 - —
Alumina, calcined, bgs., c.l., works lb. .0455- —
l.c.l., works lb. .048 - .0755
Aluminum acetate, basic soln., 24%, bbls., l.c.l. works lb. .14 —
Chloride, comi., anhyd., dms., c.l., works, frt. equald lb. .15½- —
l.c.l. works, frt. equald. lb. .16 - —
crvst., dms., c.l., works lb. .1450- —
l.c.l., works lb. .1500- —
soln. 32° cbys. c.l. works lb. .0445- —
l.c.l. works lb. .0520- .129
tanks, works 100 lbs. 3.45 —
NF, gran., dms., works lb. .29 .30
Fluoride, tech., anhyd., bgs., c.l., works lb. .15¾ —
l.c.l., works lb. .16¾- .18¾
Aluminum fluoride in fib. dms. 0.35c. per lb higher.
Formate, basic soln., dms., c.l., works lb. .12 - —
l.c.l., works lb. .12½- —
Hydrate, heavy, bgs., c.l., frt. frt. equald lb. .032 - —
20,000-40,000 lb. lots, same basis lb. .0345- —
2,000-20,000 lb. lots, same basis lb. .0445- —
bulk, same basis lb. .0295- —

Aluminum hydroxide, gel, pharmaceutical, 14-15%, Al_2O_3, fib. dms., works lb. .22 - —
contract, works lb. .21 - —
9-9½% Al_2O_3, fib. dms., works lb. .10 - —
contract, works lb. .18 - —
dried, USP, XIV, fib. dms., works lb. .82½- —
contract, works lb. .79½- —
tech., powder (see Aluminum hydrate).
Metal, 99%+, ingots, 10,000-lb. lots, frt. alld lb. .2590- .2690
pigs, 10,000-lb. lots, frt. alld. lb. .2400- .2500
Oxide, amorphous (see Alumina, calcined).
Paste, lining, extra-fine, dms lb. .66½- —
standard grade, dms lb. .46½- —
Powder, lining, extra, fine, dms. lb. 1.07 - —
standard grade, dms lb. .76½- —
Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10 lb. can and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs. and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S. a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over
Resinate, precip., 2.1% Al, dms., 100 lbs. 7.26 - —

Aluminum stearate, dibasic, ctns., c.l. lb. .37 - —
l.c.l. lb. .38 .42
monobasic, ctns., c.l. lb. .37 —
l.c.l. lb. .38 .42
tribasic, ctns., c.l. lb. .37 —
l.c.l. lb. .38 .42
Sulfate, comi., bulk, c.l., works. 100 lbs 1.85 —
grd., bgs. c.l., works ton 37.00 —
lump, bgs., c.l., works ton 40.00 —
iron-free, bgs., c.l. works, frt. equald 100 lbs 3.55 —
l.c.l., works, frt. equald. 100 lbs. 3.95 - 4.55
Prices $1 per ton higher in the south
USP, gran., dms., works lb. .16 .18
powd., dms. works lb. .36 .37
Trihydrate, heavy (see Aluminum hydrate, heavy).
Ambergris, gray, bots oz. 8.00 - 10.00
Aminoazotoluene base, bbls., 100% basis lb. 1.03 - 1.18
Aminoethyl ethanolamine, dms., c.l., dlvd lb. .475 - —
l.c.l., dlvd lb. .485 - —
tanks, dlvd lb. .45 - —
2-Amino-2-methyl-1-propanol, dms., c.l., frt. alld lb. .44 - —
l.c.l., frt. alld lb. .45 - —
tanks, frt. alld lb. .42 - —
m-Aminophenol, dist., dms., ton lots. lb. 2.05 - —
smaller lots lb. 2.50 - —
p-Aminophenol, dms., frt alld lb. 1.15 - —
Aminophylline, USP, 100-lb. dms. lb. 3.55 - —



We'll take it...or we'll drink it

Sulfuric Acid sludge is a problem to many...but not to Stauffer!
If you can pour it or pump it or get it in a tank car...
send it to Stauffer. We'll "unsludge" it
and send it back to you...98% pure H_2SO_4.
If you have no sludge and just need Sulfuric Acid,
we have that, too. Available in tank trucks or tank cars
of 6 to 100 tons capacity and barges of
800 to 1500 tons...wherever and whenever you want it
in unlimited supply of all commercial grades.

STAUFFER CHEMICAL COMPANY
380 Madison Avenue, New York 17, N.Y.
Telephone: OXford 7-0600

Stauffer CHEMICALS SINCE 1885

Stauffer means service

Ammonia, anhyd., fertilizer, tanks, works, frt. equald ..ton.72.00 - —
refrigeration, tanks, works, frt. equald ..ton.82.50 - —
aqueous, tanks, works, anhyd. basis ton.83.00 - —
Ammoniacal liquor (see Ammonia, aqueous).
Ammoniac, sal, gray, bgs., c.l., works, frt equald 100 lbs 8.25 —
l.c.l., same basis 100 lbs 8.65 - 11.15
white gran. (see Ammonium chloride tech.).
Ammonium acetate, purif., dms lb. .38 - —
Benzoate, USP dms., kgs. 4,000-lb. lots frt. alld lb. .80 - —
smaller lots frt. alld lb. .81 - 1.09
Biborate, gran., dms. c.l., works. ton.319.50 - —
ton lots, ex whse ton.395.00 - —
smaller lots, ex whse ton.400.00 - —
Bicarbonate dom., dms., c.l., works. 100 lbs. 6.50 - —
l.c.l., works 100 lbs. 8.00 - —
imp., dms. l.c.l. lb. .07¼- .08½
Bichromate, dms., works lb. .42 - .43
Bifluoride, dms., dlvd lb. .2145- .2245
Bromide, NF, gran., bbls lb. .43 - —
Powdered ammonium bromide 10c. per lb. higher.
Carbonate, USP, lump, dms lb. .16 - —
Chloride, tech., fine gran., bgs., c.l., works 100 lbs. 5.25 - —
l.c.l., works 100 lbs. 7.00 - —
USP, gran., bbls., dms lb. .17¼- —
Citrate, dibasic, bbls lb. .77 - —
Dichromate (see Ammonium bichromate).
Fluoride (see Ammonium bifluoride).
Hydroxide (see Ammonia aqueous).
Hypophosphite, NF, dms lb 3.07 - —
Iodide, NF, dms., bots lb. 4.26 - 4.38
Linoleate, 80%, dms., works lb. .50 - .55
Nitrate dom., fertilizer grade, 33.5% N., bgs., western works, frt. equald, base price ton.64.00 - —
August discount ton. 4.00 - 5.00
with dolomite, 20.5% N, bgs., Hopewell, Va ton.51.00 - —
imp., Canadian, 33.5% N, eastern bgs., c.l., ship't point, frt. equald to $8 per ton, base price ton.64.00 - —
August discount ton. 5.00 - —
western, bgs., c.l., f.o.b. cars, Los Angeles ton.79.69 - —
Oxalate, fine gran., dms lb. .26½- .31
Pentaborate, gran., bgs., c.l., works ton.187.50 - —
ton lots, ex whse ton.271.50 - —
smaller lots, ex whse ton.276.50 - —
Ammonium pentaborate powder $10 per ton higher.
Persulfate, kgs lb. .38 - .47½
Phosphate, coml., bgs., c.l., works, frt. equald lb. .09¼- —
l.c.l., same basis lb. .10 - —
dibasic, NF, V bbls., dms. lb. .46 - —
tech., bgs., c.l., works, frt. equald lb. .09¼- —
l.c.l., same basis lb. .10 - —
Salicylate, NF, dms., kgs. lb. 1.62 - 1.64
Silicofluoride, dms., works lb. .11¾- .13¼
Sulfamate, bgs., c.l., t.l., works lb. .18 - —
l.c.l., works lb. .22 - —
Sulfate, coke-oven, bulk, producing ovens, base price ton.32.00 - —
syn., bulk, c.l., f.o.b. works ton.32.00 -42.00
purif., dms., works lb. .09 - .09½
Sulfide, liq., 40-44%, tanks, frt. equald., 100% basis ton.160.00 - —
Sulfocyanide, tech. (see Ammonium thiocyanate).
Thiocyanate, tech., dms., c.l., works lb. .20 - —
l.c.l., works lb. .22 - .26
Thioglycollate, coml., cbys., 100% basis lb. 1.35 - 1.65
highly purif. cbys., 100% basis. lb. 1.70 - 1.96
Thiosulfate, cryst., photo grade, fib. dms., frt. alld lb. .65 - —
d-Amphetamine hydrochloride, dibasic, bots lb.28.00 - —
dl, dms lb. 6.00 - —
d-monobasic, bots lb.28.00 - —
d-Phosphate, dibasic, bots lb.28.00 - —
dl, dms lb 6.00 - —
d-Sulfate, dms. lb.28.00 - —
dl, dms lb. 6.00 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., frt. alld. E. of Rockies lb. .18 - —
l.c.l., same basis lb. .19 - —
tanks, same basis lb. 15½- —
ex pentane, reg., dms., c.l., dlvd. lb. .18 - —
l.c.l., dlvd lb. .19 - —
tanks, dlvd lb. .15½- —
tech., dms., c.l., dlvd lb. .16 - —
l.c.l., dlvd lb. .17 - —
tanks, dlvd lb. .13½- —
syn., oxo process, dms., c.l., dlvd lb. .19¼- —
l.c.l., dlvd lb. .20¼- —
tanks, dlvd lb. .17¼- —
Alcohol (see Alcohol, amyl).
n-Butyrate, dms lb. 1.00 - 1.25
Cinnamic, aldehyde, dms lb. 1.70 - 2.20
Nitrite, USP, bots lb. 1.75 - 1.83
Salicylate, cns., dms lb. .82 - 1.10
o-tert-Amyl phenol, dms., c.l., works. lb. .49½- —
l.c.l., works lb. .50½- —
tanks, works lb. .47 - —
p-tert-Amyl phenol, dms., c.l., works. lb. .26¾- —
l.c.l., works lb. .27¾- —
tanks, works lb. .25¾- —
Anethole, NF, cns., dms lb. 1.60 - 1.80
tech., dms lb. 1.10 - 1.15
Angelica root, dom. bis lb. .50 - .70
Aniline oil, dms., c.l., frt. alld lb. .21 - —
l.c.l., frt. alld lb. .22 - —
tanks, frt. alld lb. .20 - —
tankwagons, min. 2,000 gals. lb. .20½- —
Salt, dms., c.l., truckloads, 20,000 lbs., min., frt. alld lb. .31 - —
l.c.l., same basis lb. .33 - —
Anise seed, Mexican, bgs. lb. .28 - —
Spanish, bgs lb. .27 - —
Anisic aldehyde, bots., dms lb. 1.95 - 2.70
o-Anisidine, dms., c.l., frt. alld lb. .80 - —
l.c.l., same basis lb. .82 - —
tanks, same basis lb. .78 - —
p-Anisidine, dms., works lb. .97 - —
Annatto seed, whole, bgs lb. .15 - .17
Anthracene, 90-95% bbls. con-lots, works lb. .83 - —
smaller lots, works lb. .95 - —
Anthraquinone, 99.5%, bbls. c.l., frt. alld lb. .83 - —
l.c.l., same basis lb. .86 - —
electrical grade, bbls., l.c.l., same basis lb. .91 - —

Antimony butter (see Antimony trichloride).
Metal, bulk, c.l., mines lb. .33 - —
cs., c.l., mines lb. .33½- —
Oxide, bgs., c.l., frt. alld lb. .27 - —
l.c.l., frt. alld lb. .28½- —
Sulfide, approx. 65%, bgs., dlvd lb. .23 - .26
Trichloride, anhyd., solid, pails, c.l., works lb. .41 - —
l.c.l., works lb .43 - —
Antimony-potassium tartrate, tech., powd., dms lb. .65½- .70½
USP, powd., dms lb. .70½- .71½
Antipyrine, NF, 200-lb. bbls lb. 3.50 - —
Apomorphine hydrochloride, USP, 5 oz. lots, bots oz.35.60 - —
Areca nuts, powd., bbls lb. .15 - .16
Arecoline hydrobromide, NF, bots., tins oz. 4.50 - 6.00
l-Arginine monohydrochloride, dms. 1 kilo lots kilo.74.80 - —
Arnica flowers (true montana), bls. lb. No prices.
Arsenic metal, lump, bbls. ex whse. lb. .54 - —
Trioxide, USP, dms lb. .48 - —
White, powd., bbls., c.l., dlvd lb. .05½- —
l.c.l., dlvd lb. .06½- .07½
Asafetida, cs lb. .36 - .39
powd., bbls., dms lb. .50 - .63
Asbestine (see Talc, fibrous, N. Y.).

Asbestos, Canadian, crude, No. 1, c.l. (20 tons) mines..ton.1,400.00- —
No. 2, c.l. (20 tons), mines.ton.750.00 - —
Run-of-mine, c.l. (20 tons)... mines..ton.611.60 - —
3K, c.l. (20 tons), mines..ton.480.00 - —
3R, c.l., (20 tons), mines..ton.408.10 - —
3T, c.l. (20 tons), mines..ton.382.80 - —
3Z, c.l. (20 tons), mines..ton.353.10 - —
4K, c.l. (20 tons), mines..ton.190.30 - —
4M, c.l. (20 tons), mines..ton.190.30 - —
4T, c.l., (20 tons), mines..ton.171.60 - —
4Z, c.l. (20 tons), mines..ton.171.60 - —
5D, c.l. (20 tons), mines..ton.135.00 - —
5K, c.l. (20 tons), mines..ton.135.00 - —
5M, c.l. (20 tons), mines..ton.122.35 - —
5R, c.l. (20 tons), mines..ton.115.50 - —
6D, c.l. (30 tons), mines..ton.82.00 - —
7D, c.l. (30 tons), mines..ton.72.00 - —
7F, c.l. (30 tons), mines..ton.68.25 - —
7H, c.l. (30 tons) mines..ton.58.00 - —
7K, c.l. (30 tons), mines..ton.48.30 - —
7M, c.l. (30 tons), mines..ton.42.00 - —
7R, c.l. (30 tons), mines..ton.41.00 - —
7RF, c.l. (30 tons), mines..ton.42.00 - —
7T, c.l., (30 tons), mines..ton.39.00 - —
7TF, c.l. (30 tons), mines..ton.42.00 - —
8S, c.l. (30 tons), mines ton28.35 - —
Asbestos c.l. prices are in U. S. funds, l.c.l. lots $4 per ton higher.
Asphalt, gilsonite, black jet, bgs., c.l., mines..ton.37.00 - —
select, 350° F. fusing pt., bgs., c.l., mines..ton.38.00 - —
270°-295°F., fusing pt., bgs., c.l., mines..ton.37.00 - —
seconds, 300°-390°F. fusing pt., bgs., c.l., mines..ton.32.00 - —
Manjak, No. 10, crude, dms., works lb. .06¼- —

Asphalt, petroleum, cut-back, tanks, tankwagon, refy. gal. .09 - —
emulsion, tanks, tankwagon, refy. gal. .09½- —
steam-refd., 50-80 penetration, tanks, tankwagon, refy..ton.21.00 - —
85-300 penetration, tanks, tankwagon, refy ton.20.00 - —
Aspirin, (see Acid acetylsalicylic).
Atropine, USP, bots oz. 3.90 - —
Sulfate, USP, bots oz. 2.45 - 2.65

B

Bacitracin, bulk, 1,000,000,000 or more units 50,000 units. .70 - —
less than 1,000,000,000 units. 50,000 units. .75 - —
Balm of Gilead buds, dried, bgs lb. 1.35 - 1.45
Barberry root bark, bgs lb. .28 - .30
Barbital, USP, 100-lb. dms lb. 4.50 - —
Sodium, USP, dms lb. 4.75 - 4.77
Barium carbonate, precip., bgs., c.l., works ..ton.100.00 - —
smaller lots, works ....ton.110.00 - —
Chlorate, kgs., works lb. .32 - .36
l.c.l., l.t.l., frt. equald ton.285.00 - —
Chloride, anhyd., bgs., c.l., works. ton.165.00 - —
l.c.l., works ton.175.00 - —
NF, cryst., dms lb. .20 - —
tech., cryst., bgs., c.l., works. 100 lbs. 6.50 - —
l.c.l., works 100 lbs. 7.00 - —
Chromate, bgs., frt. equald lb. .35 - —
Dioxide (see Barium peroxide).
Hydrate, cryst., bgs., c.l., t.l., frt. equald..ton.208.00 - —
l.c.l., l.t.l., frt. equald..ton.218.00 - —

Better-known in Bhowani Junctionth

Penick recognized years ago that international trade must be a two-way street. So export and import became inseparable twins that now account for a substantial portion of our business. And because we obtain our basic materials from practically every civilized country in the world, we're frequently better-known in many parts of the world than we are at home.

S. B. PENICK & COMPANY 50 CHURCH ST., NEW YORK 8 735 W. DIVISION ST., CHICAGO 1

Barium monoxide (see Oxide).
Nitrate, bbls., c.l., t.l., dlvd. lb. .16 - —
l.c.l., l.t.l., dlvd. lb. .17 - —
Oxide, grd., dms., c.l., t.l., frt. equald. ton.275.00 - —
Peroxide, dms., frt. equald. lb. .20 - —
Stearate, ctns., c.l., frt. alld. lb. .39 - —
l.c.l., same basis lb. .40 - .44
Sulfate, tech. (see Barytes and blanc fixe).
X-ray, dms. lb. .15 - .15½
Sulfide, dms., c.l., works ton.85.00 - —
l.c.l., works ton.95.00 - —
Barytes, Southern, off-color, bgs., mines ton.25.00 - —
95-75%, bgs., mines ton.25.00 - —
water-grd., paper bgs., c.l., St. Louis ton.45.00 - —
ex-whse, N. Y. ton.65.85 - —
Bauxite, bulk, mines ton. 6.75 -10.00
Bay leaves (see Laurel leaves).
Belladonna leaf, bls. lb. .35 - .37
root, bls. lb. .45 - .50
Bentonite, dom., 200 mesh, bgs., c.l., mines ton.14.00 - —
imp. Italian, white, high gel., bgs., 5-ton lots, ex whse. ton.84.00 - —
1 ton lots, ex whse. ton.87.00 - —
low gel., bgs., 5-ton lots, ex whse. ton.82.35 - —
1 ton lots, ex whse. ton.85.35 - —
Benzal chloride, cbys., works. lb. .44 - —
Benzaldehyde, NF, dms. lb. .74 - 1.05
tech., cbys., dms., t.l. lb. .43 - —
smaller lots lb. .44 - —
Benzene (See Benzol).
Hexachloride, 25% and 99% gamma isomer (see Lindane).
tech., high gamma, dms., c.l., dlvd., gamma unit-lb. .0075- .008
l.c.l., works, gamma unit-lb. .009 - .0095
Benzene hexachloride, tech., low gamma, dms., c.l., dlvd. gamma unit-lb. .0075- —
l.c.l., works, gamma unit-lb. .009 - —
Benzidine hydrochloride, bbls., c.l., frt. alld., 100% basis lb. 1.03 - —
l.c.l., same basis lb. 1.05 - —
Sulfate, tech., frt. alld., 100% basis lb. 1.05 - —
Benzocaine, dms. lb. 3.48 - 3.50
Benzol, coaltar, pure or nitration, tanks, works:—
Bethlehem, Pa. gal. .36 - —
Birmingham district gal. .36 - —
Chicago district gal. .36 - —
Cleveland district gal. .36 - —
Geneva, Utah gal. .36 - —
Johnstown, Pa. gal. .36 - —
Lackawanna, N. Y. gal. .36 - —
Lone Star, Texas gal. .36 - —
Lorain, Ohio gal. .36 - —
Middletown, Ohio gal. .36 - —
Minnequa, Colo gal. .36 - —
Philadelphia district gal. .36 - —
Pittsburgh district gal. .36 - —
Sparrows Point, Md. gal. .36 - —
Syracuse, N. Y. gal. .36 - —
Terre Haute, Ind. gal. .36 - —
Youngstown, Ohio gal. .36 - —
Benzophenone, dms. lb. 1.40 - 1.70
Benzotriazole, tech., dms., 1,000-lb. lots, works lb. 2.25 - —
Benzotrichloride, cbys., 1,000-lb. lots or more, frt. equald lb. .18 - —
smaller lots, frt. equald lb. .20 - —
Benzoyl chloride, cbys., dms., c.l., works, frt. equald lb. .22 - —
l.c.l., same basis lb. .23 - —
tank trucks, dlvd. Metropolitan area lb. .21 - —
Peroxide, purif., fib. dms., 50 to 1,000-lb. lots, works lb. .98 - 1.08
Benzyl acetate, f.f.c., cns., dms lb. .60 - 1.00
Alcohol (see Alcohol, benzyl).
Benzoate, USP, f.f.c., cns., dms lb. .72 - 1.10
Chloride, tech., 13-gal. cbys., dms., c.l., works, frt. equald lb. .23 - —
l.c.l., same basis lb. .24 - —
tank, trucks, dlvd. Metropolitan area lb. .21 - —
A 2½c. differential is quoted on benzyl chloride in 5-gal. cbys. In steel dms. prices were ½c. lower.
Cinnamate, cns. lb. 3.60 - 3.90
Formate, cns. lb. 1.80 - 2.10
Isoeugenol, cns. lb. 9.85 - —
Propionate, bots. lb. 1.35 - 1.65
Salicylate, bots. lb. 1.50 - 1.85
Benzylidine acetone, bots. lb. 1.75 - 1.80
Chloride (see Benzal chloride).
Berberine bisulfate, cns lb.35.00 -36.25
Hydrochloride, bots. lb.35.00 -36.25
Betagammapicoline (see b,g-Picoline).
Betamethylnaphthalene (see b-Methylnaphthalene)
Betanaphthol (see b-Naphthol).
Betanaphthylamine (see b-Naphthylamine).
Betaphenylethylamine (see b-Phenylethylamine).
BHC (see Benzene hexachloride technical)
Biotin cryst., bots. gram 10.00 - —
Biphenyl (see Diphenyl).
Bismuth chloride, cars lb 5.11 - —
Hydroxide, dms. lb 4.65 - —
Metal, bxs., ton lots lb 2.25 - —
Bismuth, nitrate, cryst., dms. lb. 2.10 - 2.17
Oxide, anhyd., dms lb 4.47 - 5.05
Oxychloride, dms lb 4.37 - 4.42
Phenolsulfonate, fib dms lb 5.22 - —
Subcarbonate, USP, dms lb. 3.20 - —
Bismuth subgallate, NF, fib. dms. lb. 3.15 - —
Subiodide, fib. dms lb. 5.37 - —
Subnitrate, NF, dms lb 2.65 - —
Subsalicylate, USP, dms lb. 3.50 - —
Bismuth-ammonium citrate, USP, powd., jars lb 4.22 - —
Bisphenol-A, c.l., t.l., frt. alld lb. .29¾ - —
l.c.l., same basis lb. 30¾ - —
Black, acetylene, imp., bgs., c.l., duty and freight extra lb. .17 - —
cs., l.c.l., ex whse lb. .22½ - .26
Ash (see Barium sulfide)
Bone, dms., l.c.l., frt. alld lb. .17 - 23¼
Pacific coast bone black prices 2c. per lb. higher.
Carbon, channel, pigment, high color, beads, ctns., c.l., works. lb. .72 - —
t.c.l. dlvd or whse lb. .78 - —
medium color, uncompressed, bgs. c.l., works. lb. .12 - —
t.c.l. dlvd or whse. lb. .19 - —
rubber, beads, bulk, c.l., works lb. .07 - —
bgs. c.l., works lb. .074 - —
l.c.l., works lb. .1225- —
furnace, fast extruding, bgs., c.l., works lb. .06 - —
ctns., l.c.l. whse lb. .10 - —
high abrasion, bulk, c.l., works. lb. .0750- —
bgs. c.l. works lb. .0790- —
l.c.l., dlvd. or whse lb. .122 - .125
high modulus, bgs., c.l., works. lb. .0550- —
ctns., l.c.l. whse lb. .0930- —
semi-reinforcing bgs., c.l., works lb. .045 - —
bgs., ctns., l.c.l., whse lb. .085 - —
Charcoal (see C).
Dyes (see Dyes).
Graphite (see G).
Iron oxide, pure, bgs., c.l., works. lb. .13¼ - —
l.c.l., works lb. .13½ - —
Lamp, bgs., c.l., works lb. .16 - .45
Mineral, bgs., works lb. .0160- .0675
Blackberry root bark, bls. lb. .45 - —
Black haw root bark, bls. lb. .63 - .65
tree bark, bls. lb. .40 - .45
Blanc fixe, dry, byproduct, bgs., c.l., works ton.190.00 - —
l.c.l., works ton.200.00 - —
direct process, bgs., c.l., works. ton.110.00 - —
l.c.l., works ton.120.00 - —
N. Y. whse ton.155.00 - —
Blood, dried, 16-16½% ammonia, unit-ton. 5.00 - —
high-grade, unground, 16-17% ammonia, bgs., Chicago, unit-ton. 5.25 - —
soluble, bgs., c.l. lb. .13 - .14
t.l. lb. .15 - .17
l.t.l. lb. .15½ - .33¼
Bloodroot bls. lb .48 - .50
Blue, alkali, dry, 250-lb. bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 2.10 - —
toner, 125-lb. bbls., litho flushed, same basis lb. 1.20 - —
Chinese, bbls., c.l., same basis lb. .50 - —
l.c.l., ton lots, same basis lb. .51 - —
smaller lots, same basis lb. .52 - —
Cobalt, genuine, bbls., same basis. lb. 4.90 - —
Imitation (see Blue, ultramarine).
Dyes (see Dyes).
Iron (see Blue, Chinese Milori, Potash, Prussian and Soda).
Methyl, violet toner molybdated, PMA, bbls., same basis lb. 2.75 - —
tungstated, PTMA, bbls., same basis lb. 4.00 - 4.15
Milori, bbls., c.l., same basis lb. .50 - .55
l.c.l., ton lots, same basis lb. .51 - .56
smaller lots, same basis lb. .52 - .57
Peacock, fugitive, 100% color strength, bbls., same basis. lb. .85 - —
Phthalocyanine, full strength, bbls., same basis lb. 3.45 - —
resinated, bbls., same basis lb. 3.00 - —
water dispersable, bbls., same basis lb. 1.54 - —
Potash, CP, bbls., same basis lb. .56 - —
Prussian, insoluble, soluble, bbls., c.l., same basis lb. .50 - —
l.c.l., ton lots, same basis lb. .51 - —
smaller lots, same basis lb. .52 - —
Soda, CP, bronze, bbls., c.l., same basis lb. .50 - —
l.c.l., ton lots, same basis, lb. .51 - —
smaller lots, same basis, lb. .52 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis lb. .30½ - .35
jobbing types, bbls., same basis, lb. .19 - —
regular types, dry, bbls., same basis lb. .22½ - .35
Victoria toner, molybdated, PMA, bbls lb. 4.10 - —
tungstated, PTMA, bbls lb. 5.35 - —
Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport 1½c.), Miss., N. C., S. C., Tenn., Tex. (El Paso 2c), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph 1.6c. higher. Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.
Vitriol (see Copper sulfate).
Bluestone (see Copper sulfate).
Bonemeal, steamed, works, E ton.55.00 - —
Los Angeles ton 82.00 —
Bone phosphate defluorinated (see D) of lime (see Calcium phosphate, tribasic).
precipitated (see Calcium phosphate tribasic, NF, precip.)
Borax, tech., anhyd., 99½%, bgs., c.l., works ton.80.50 - —
ton lots, ex whse, N. Y. or Chicago ton.130.25 - —
bulk, c.l., works ton.71.50 - —
cryst., 99½%, bgs., c.l., works. ton.69.25 - —
ton lots, ex-whse, N. Y. or Chi ton.119.00 - —
smaller lots, same basis. ton.124.00 - —
gran., decahydrate, 99½%, bgs., c.l., works ton.43.25 - —
ton lots, ex whse., N. Y., Chi ton.93.00 - —
smaller lots, same basis. ton.98.00 - —
bulk, c.l., works ton.36.75 - —
pentahydrate, 99½%, bgs., c.l., works ton.57.75 - —
ton lots, ex whse., N.Y., Chi ton.107.50 - —
smaller lots, same basis. ton.112.50 - —
bulk, c.l., works ton.51.50 - —

Here, even our best friends all too often associate Penick with botanicals alone *although more than three-quarters of our business is in manufactured products!*

From Penick plants flows a diversified range of drugs and fine chemicals* used by more than a hundred different industries. Many are derived from the botanicals for which we are famous. Alkaloids and extracts are good examples. They're used in medicine, foods, cosmetics and in some of our most important pesticides. Others such as our line of specialized antibiotics are no-wise related to botanicals.

The essential fact is that Penick offers you a single source for many different chemical needs. You benefit by our broad experience in many related fields. Problems in one are frequently solved by knowledge gained in another. If you do not know all the ways we can serve you, we should be happy to tell you more. A letter outlining your particular interest will bring prompt response.

orthan we are in Boston?

**and many fine chemicals also available from our affiliate, The New York Quinine & Chemical Works, Inc.*

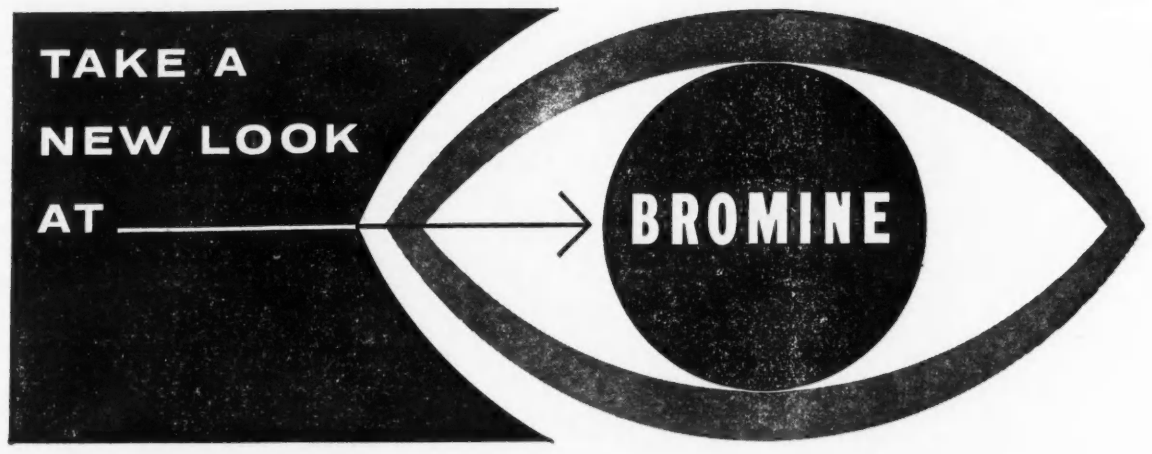
PENICK

Manufacturers of Fine Chemicals and Drugs

Borax, tech., powd., 99½%, bgs., c.l., works ton 48.25 - —
ton lots, ex-whse., N. Y. or Chi ton 98.00 - —
smaller lots, same basis, ton 103.00 - —
Borax packed in kgs., $45.50 per ton higher than in paper bgs.; in barrels, $24.50 higher USP borax $15 per ton higher.
Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse, pt. lb. .18 - .24
l.c.l., same basis lb. .19 - .26
Borneol, crs lb. 2.50 - 4.5
Boron trifluoride gas, cyls., truck-load, works lb. .62 - —
l.t.l., works lb. .70 - —
Brazilwood extract (see Hypernic extract).
Brimstone (see Sulfur).
Bromine, purif, cs., c.l., t.l., dlvd. E. of Rockies lb. .32 - —
l.c.l., same basis lb. .34 - .39
ret. dms., c.l., t.l, dlvd E of Rockies lb. .31 - —
l.c.l., same basis lb. .31 - .33
tanks, same basis lb. .22½- —
Bromochloromethane, dms., c.l., frt. equald lb. .48 - —
l.c.l., same basis lb. .50 - —
Bromoform, pharmaceutical grade, bots lb. 1.62 - 2.60
cbys. lb. 1.52 - —
Bromstyrol, bots lb. 5.40 - 5.70
Bronze powder aluminum (see A).
Brown, iron oxide, pure bgs., c.l., works lb. .14¼- —
l.c.l., works lb. .14½- —
Oxide, metallic, bgs., works lb. .04 - —
Sienna, burnt., paper bgs., c.l., works lb. .06¼- .17¼
l.c.l., works lb. .06½ .17½
raw, paper bgs., c.l., works lb. .06¼- .16¼
l.c.l., works lb. .06½- .16½
Umber, burnt, American, c.l., works lb. .07 - .07¾
l.c.l., works lb. .07¼- .08
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N. Y lb. .07¾- —
raw, American, bgs., works lb. .07½- .08¼
Turkey-type, bgs., works lb. .06¾- .07
Vandyke, bbls., works lb. .09½- .12
Brucine, cns., 100-oz. lots oz. .20 - .25
Sulfate, NF cns., 100-oz. lots oz. .15 - .20
Buchu leaves, bls lb. 1.10 - 1.25
Butadiene, refd., cyls., c.l. refy lb. .21 - —
l.c.l., refy. lb. .22 - —
tanks, refy lb. .15 - —
Butane, indust., tanks, group 3 gal. .04½- —
N. Y harbor gal. .08 - —
n-Butyl acetate, ferment., dms., c.l., frt. alld lb. .16 - —
l.c.l., same basis lb. .17 - —
tanks, same basis lb. .13½- —
syn., dms., c.l., dlvd. E lb. .16 - —
l.c.l., same basis lb. .17 - —
tanks, same basis lb. .13½- —
sec-Butyl acetate, syn., dms., c.l., dlvd. E lb. .13 - —
l.c.l., same basis lb. .13¾- —
tanks, same basis lb. .11¼- —
Butyl alcohol (see Alcohol, n-Butyl).
Aldehyde (see Butyraldehyde).
Chloride, dms., c.l., works lb. .37½- —
l.c.l., works lb. .38¼- —
Ether, dms., c.l., works lb. .33 - —
l.c.l., works lb. .33¾- —
tanks, works lb. .31 - —
Lactate, dms., c.l., frt. alld. E. of Rockies lb. .42½- —
l.c.l., same basis lb. .43½- —
tanks, same basis lb. .40 - —
Laurate, dms., works lb. .39 - —
Methacrylate dms., c.l., t.l., works, lb. .55 - —
l.c.l., works lb. .55½- —
Oleate, refd., dms., l.c.l., works lb. .32 - —
Phenylacetate, dms. lb. 4.50 - 4.60
Phthalate (see Dibutyl phthalate).
Stearate, dms., c.l., frt. equald, l.c.l., same basis lb. .26 - —
Butylamine (see mono-, di-, and tri-). lb. .25 - —
6-tert-Butyl-m-cresol, dms., c.l., works lb. .53 - —
l.c.l., works lb. .56 - —
tanks, works lb. .54 - —
Butylated hydroxytoluene (see 2,6-Di-tert-butyl-p-cresol).
p-tert-Butylphenol, bgs., c.l., works, lb. .27½- —
l.c.l. lb. .28½- —
Butyraldehyde, dms., c.l., dlvd lb. .22 - —
l.c.l., dlvd lb. .23 - —
tanks, dlvd lb. 19½- —
Butyric ether (see Ethyl butyrate).

C

Cacao butter (see Cocoa butter).
Cadmium iodide, 25-lb. fib. dms lb. 6.75 - 7.00
Metal ingots or sticks, cs., dlvd. lb. 1.70 - —
Caffeine, USP, nat., cryst., anhyd., dms., 100-lb. lots or more lb. 3.00 - —
hydrous, dms., 100-lib. lots or more lb. 2.80 - —
Syn., cryst. anhyd., dms., 100-lb. lots or more lb. 3.00 - —
hydrous, 100-lb. lots or more lb. 2.80 - —
Citrated, USP, dms., 100-lb. lots or more lb. 2.70 - —
Calamine, USP, dms lb. .34 - —
Calciferol, cryst., vials, 1-kilo lots, works gram. .60 - —
25 to 100 gram lots, works, gram. .65 - —
(in edible oil (see Viosterol)
Calcium p-aminosalicylate, fib. dms., 100 lbs. or more, frt. adjusted. lb. 4.00 - —
Arsenate, dealers, bgs., c.l., frt. alld lb. .09 - .09½
l.c.l., same basis lb. .10 - .10½
Bromide, NF, 100 lbs. or more lb. .92 - —
Carbide standard generator size, dms., c.l., dlvd ton 134.40 - —
Carbonate, nat., dry-grd., ecf floated,, 325 mesh, bgs., c.l., works ton 10.50 - —
chalk, whiting, 325 mesh, bgs., works ton 32.00 -34.00
water-grd., ½ to 10 microns, bgs., c.l., works ton 30.00 - —
10 to 20 microns, bgs., c.l., works ton 17.00 -18.00
precip., dense, bgs., c.l., works, ton 32.50 - —
l.c.l., works ton 42.50 - —
medium, bgs., c.l., works ton 38.00 - —
l.c.l., works ton 48.00 - —
surface treated, bgs., c.l., works ton 37.50 - —
l.c.l., works ton 47.50 - —
ultrafine, bgs., c.l., works, ton 110.00 -160.00
l.c.l., works ton 120.00 -175.00
Chloride, cryst., purif., dms lb. .27 - —
flake, 77-80%, paper bgs., c.l., works, frt. equald ton 29.00 - —
liquor, 40%, tanks, frt. equald ton 12.35- —
pellets, bgs., c.l., works ton 35.40 - —
powd., bgs., c.l., works ton 35.00 - —
solid, 73-75%, dms., c.l., frt. equald ton 27.50 - —
l.c.l., works, frt. equald, ton 34.00 -71.00
USP, gran., dms. lb. .32 - —
Chromate, bgs., frt., equald lb. .29½- .30
Cyanide, dms., c.l., dlvd. E. of Rockies lb. .20 - —
l.c.l., same basis lb. .24 - .55
Cyclamate, 100-lb fib. dms lb. 2.95 - —
Gluconate, AA, bbls., dms lb. .74 - .76
USP, bbls., dms lb. .67 - .69
Hydride, dms., works lb. 2.15 - 3.00
Hypochlorite, high test, 45-lb., cs., dlvd. E of Rockies cs 22.60 -24.75
100-lb. dms., same basis dm 28.65 -32.50
Hypophosphite, dms., ton lots or less lb. .90 - .93
Iodide, jars lb. 4.52 - —
Lactate, NF, dms., 10,000-lb. lots or more, works lb. .36 - .40
smaller lots, works lb. .41 - .46
Mandelate, USP, dms., works lb. 2.10 - 2.25
Naphthenate liq., 4% Ca., dms., frt. equald lb. .27¼- —
Nitrate, fertilizer grade, bgs., c.l., Los Angeles ton 46.00 - —
tech., 5-dm. lots, works lb. .13 - —
Pantothenate, dms., bots., frt. adjusted gram. .045 - —
Para-aminosalicylate (see Calcium p-Aminosalicylate).
Phenolsulfonate, dms lb. .70 - —
Phosphate, dibasic, USP, bgs., c.l., frt. equald 100 lbs. 7.75 - —
l.c.l., frt. equald 100 lbs. 8.50 - —
feed grade, 18½%P, bgs., c.l., t.l., frt. equald ton 79.55 -83.25
l.c.l., frt. equald ton 89.55 -93.25
21% P, bgs., c.l., t.l., frt. equald ton 94.50 - —
l.c.l., frt. equald ton 99.50 -104.50
monobasic, bgs., 10,000-lb. lots, frt. equald 100 lbs. 6.90 - —
smaller lots, same basis, 100 lbs. 7.40 - —
tribasic, NF, precip., bgs., c.l., works, frt. equald 100 lbs. 8.75 - —
l.c.l., frt. equald 100 lbs. 9.00 - —
Phytate, bgs., works lb. .50 - —
Resinate, precip., dms., frt. alld., works lb. .30½- —
Silicate, hydrated, bgs., c.l., works, lb. .06 - —
l.c.l., works lb. .06½- —
paint grade (see Wollastonite).
Stearate, ctns., c.l. lb. .37 - —
l.c.l lb. .38 - .42
Sulfate (see Gypsum).
Calomel, USP, powd., dms lb. 3.42 - —
Camphene 46° m.p., dms., incl., c.l., works lb. .15 - —
l.c.l., same basis lb. .16½- —
tanks, same basis lb. .12½- —
Chlorinated, 67-69% (see Toxaphene).
Camphor, monobromated, NF, dms., kgs lb. 3.55 - —
nat. USP, powd., cs., 100-lb. lots, lb. .60 - .65
tablets, 1-oz., ½-oz. cs lb. .85 - .90
syn., tech., 1 bbl. or more lb. .48 - —
USP, gran., powd., bbls., 2,000-lb. lots lb. .59 - —
1,000-lb. lots lb. .60 - —
smaller lots lb. .61 - —
tablets, tins, 2,000-lb. lots lb. .90 - —
1,000-lb. lots lb. .91 - —
smaller lots lb. .92 - —
Canada balsam (see Fir balsam).
Cantharides, Chinese, cs lb. 2.00 - 2.05
powd., bxs lb. 2.25 - 2.30
Russian, bgs lb. 4.00 - 4.05
powd., bxs lb. 4.35 - 4.40
Capsicum (see Pepper red).
Oleoresin, NF, from domestic pepper, dms lb. 4.50 - 5.25
from African pepper, dms lb. 4.35 - 5.00
Caraway seed, Dutch, bgs lb. .16 - —
Carbazole, 97%, bbls., ton lots, works lb. 1.05 - —
Carbon black (see Black, Carbon).
Dioxide, indust., wholesale, bulk, dlvd. Metrolopitan area ton 73.00 -115.00
ton 73.00 -115.00
cyls., same basis lb. .08 - .09
solid, same basis lb. .035 - .040
Disulfide, 55-gal. dms., c.l., works, frt. equald, to competitive points lb. .07 - —
l.c.l., same basis lb. .08½- .09
5-gal. dms., 30 dms. to c.l., same basis lb. .13 - —
less than 30 dms lb. .16 - —
tanks, dlvd. lb. .0545- —



PROPERTIES:

Molecular weight 159.83
Atomic weight 79.916
Specific gravity at 20/15°C. 3.120
Pounds a gallon at 20°C. 26.0
Boiling point .....58.8°C.
Freezing point .....—7.2°C.
Freely soluble in alcohol, ether, carbon tetrachloride, chloroform, concentrated HCl, aqueous solutions of inorganic bromides

SPECIFICATIONS:

Bromine, not less than.....99.7%
Specific gravity at 20/15°C., not less than.....3.1
Chlorine, not more than 0.15%
Iodine .....None
Non volatile, less than 0.01%
Water Content .....0.003% Max.

A NEW BROMINE PLANT* at El Dorado, Arkansas, will provide a large, dependable source of high-quality bromine at lower delivered cost in volume. This added capacity to our present production from plants at Saint Louis and Manistee, Michigan permits active research by you on this basic chemical element to take advantage of bromine's unusual and unique properties and characteristics. Investigate the possibilities of bromine and bromides in your business.

*A joint-venture project of Michigan Chemical Corporation and Murphy Corporation of El Dorado, Arkansas.

WHAT BROMINE OFFERS YOU

HIGHER YIELDS

Bromine compounds give higher processing yields in: Quarternary salt formations; Grignard reactions in the aromatic series; nitrile formations; hydrolysis to carbinols; Ullmann reactions, and Reformatsky reactions.

Bromine compounds have exceptionally high densities — the highest of any organic compounds with few exceptions. This suggests uses in processes involving liquid — liquid separations.

Various inorganic bromides are useful catalysts in reactions involving intramolecular rearrangements.

PROCESSING ADVANTAGES

Bromine is handled as a liquid — does not require pressurized equipment.

Oxidation potential of bromine is lower than that of elemental chlorine or fluorine. This minimizes decomposition of hydrocarbons in halogenation reactions.

Melting points of bromides are higher than those of chlorides or fluorides. This usually makes isolation easier — an important advantage to the research chemist.

NEW PRODUCT OPPORTUNITIES

Bromine imparts greater fire resistance to organic compounds than low molecular weight halogens. This property has proved useful in fire extinguisher fluids and in fire proofing cloth and has application in plastics and coatings.

New pharmaceuticals are possible with bromine compounds as intermediates.

Bromine and compounds, which readily release bromine, are active germicides, bactericides and algicides.

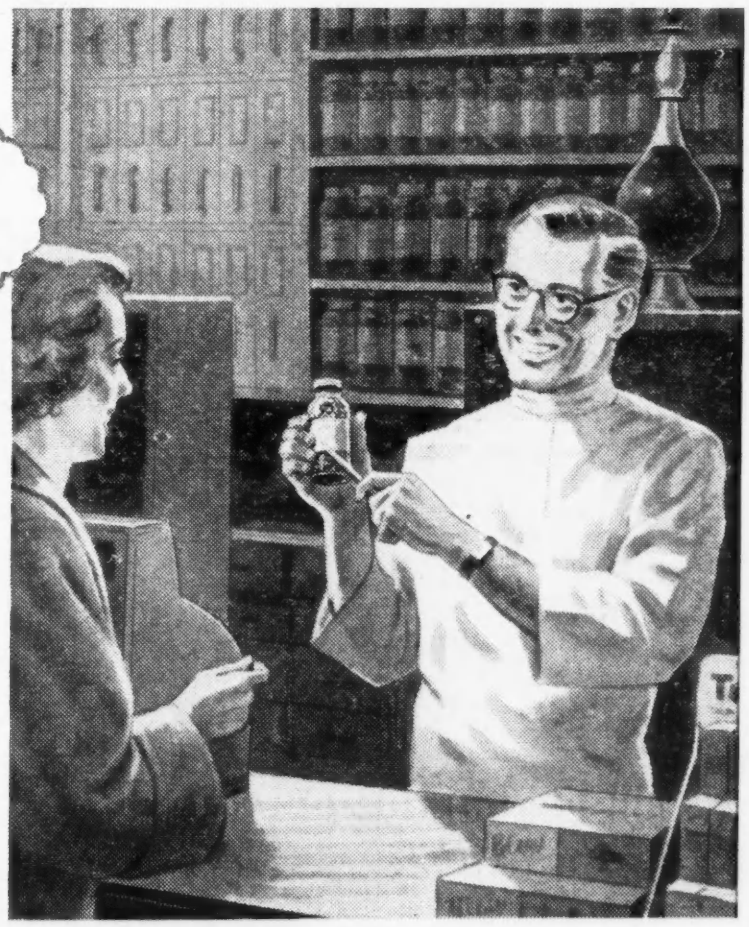
Michigan Chemical will be glad to aid you with your present bromide needs, or to help you in basic bromine research. Write or phone us.

MICHIGAN CHEMICAL CORPORATION
527 Bankson Street, Saint Louis, Michigan
EASTERN SALES OFFICE: 230 Park Avenue, New York 17, New York

C-56-9
*Reg. U.S. Pat. Off. **T.M.

Carbon tetrachloride, CP, consumers, dms., l.c.l, frt. alld	lb.	.12¼	.14½
tech., consumers, dms., c.l., frt. alld	lb.	.11¼	—
l.c.l., frt. alld	lb.	.13½	—
tanks, frt. alld	lb.	.10	—
Carboxymethyl cellulose (see CMC).			
Carbromal, NF, dms., 100-lb. lots, works	lb.	4.00	4.25
smaller lots, works	lb.	4.10	4.75
Cardamom seed, bleached, "A"	lb.	3.20	—
"B"	lb.	3.10	—
decorticated, Ceylon, cs	lb.	1.95	—
Guatemalan, cs	lb.	2.90	—
green, Ceylon, bgs.	lb.	2.10	2.15
Alleppey, bgs	lb.	2.15	2.20
Carmine, No. 40, NF, bulk, 100-lb. lots or more, dlvd	lb.	14.40	—
smaller lots, dlvd	lb.	14.50	15.20
Carotene, tech., 1,350,000 A units per gram, tins, 5-10 kilo lots, dlvd	gram	.295	—
in carrot oil, 5,000,000 to 8,000,000 A units per lb., dms., works	million units	.12	—
microcrystalline in oil, 400,000 A units per gram, dms., dlvd.	million units	.21	—
b-Carotene, pure, crystalline, 1,600,000 A units to 1,670,000 per gram., cns	gram	.35	—
in vegetable oil, 400,000 A units per gram, cns.	gram	.084	—
Carvol, bots	lb.	4.50	6.00
Cascara sagrada bark, bulk	lb.	.30	Nom.
Casein, dom., acid precip., standard, bgs., 10,000-lb. lots or more, shipt. point	lb.	.32	Nom.
premium, bgs., 10,000-lb. lots or more, shipt. point	lb.	.38	Nom.
imp., acid-precip., grd., Argentine, bgs., c.l., duty paid	lb.	.23¾	.24
New Zealand, duty paid	lb.	.24	.25
Cashewnut shell liquid, treated, dms., c.l., Newark, N. J	lb.	.22	—
ton lots, same basis	lb.	.23	—
dm. lots, same basis	lb.	.25	—
Cassia, Batavia, "A", bls	lb.	.19½	.20
"B"	lb.	.19	.20
"C"	lb.	.17½	.18
Corinje "A"	lb.	.20	—
"B"	lb.	.19½	—
"C"	lb.	.18¾	.19
Castor beans, bgs., f.o.b. Brazil	ton	155.00	Nom.
Oil (see Oil, castor)			
Pomace, bgs., c.l., works	ton	35.00	40.00
Castoreum, nat., cns	lb.	5.25	30.00
syn., cns	lb.	9.00	—
Catechol, CP, cryst., fib. dms., works	lb.	2.17½	—
resub., dms., works	lb.	4.29½	—
Catnip leaves, Southern, bls	lb.	.75	—
Celery seed, French, bgs	lb.	.42	.44
Indian, bgs	lb.	.18½	.19
Cellulose acetate, flake, powd., cns., bgs. 100-lb lots or more, dlvd E	lb.	.35	48
Acetate-butyrate, powd., 17% butyryl content, bgs., dlvd E	lb.	.545	.555
27% butyryl content, bgs., dlvd. E	lb.	.595	.605
38% butyryl content, bgs., dlvd. E	lb.	.545	.555
50% butyryl content, bgs., dlvd E	lb.	.595	.595
half-second, bgs., dlvd. E.	lb.	.545	.555
Scrap (see Pyroxylin scrap).			
Cerium chloride, dms., dlvd.	lb.	.35	—
Hydrate 74% CeO_2, fib. dms., 100-lb. lots or more	lb.	1.44	—
77% CeO_2, fib. dms., 100-lb. lots or more	lb.	1.74	—
Oxalate, NF, bgs., works	lb.	1.00	—
Oxide, optical grade, bgs., 50-lb. lots or more, dlvd	lb.	1.85	1.98
smaller lots, dlvd	lb.	2.03	2.23
Chalk (see Calcium carbonate).			
Chamomile flowers, Hungarian style, cs	lb.	.78	—
Roman, cs	lb.	1.50	—
Charcoal, activated, NF, fib. dms., c.l., works	lb.	.25	.32
5-ton lots, works	lb.	.20½	.32½
smaller lots works	lb.	.27	.50
Bone (see Black, bone).			
Hardwood, bulk, lump, c.l., f.o.b. plant	ton	55.00	—
briquets, bulk, c.l., f.o.b. plant	ton	75.00	80.00
5 lb. paper bags, c.l., same basis	ton	108.00	—
10 lb. paper bags, c.l., same basis	ton	95.00	98.00
25 lb. paper bags, c.l., same basis	ton	82.00	88.00
40-lb. paper bgs., c.l., same basis	ton	81.00	85.00
Pinewood, gran., bgs., c.l., works, South	ton	57.00	—
l.c.l., works, South	ton	57.00	67.00
lump, bgs., c.l., works, South	ton	53.50	—
l.c.l., works, South	ton	56.50	71.00
bulk, c.l., works, South	ton	38.00	—
t.l., works, South	ton	41.00	—
Chestnut extract, Italian, solid, 60% tannin, bgs., exdock, plus duty	lb.	.09½	—
powd., 70% tannin, bgs., exdock, plus duty	lb.	.10½	—
Chloral, tech., 94% min., dms., c.l., works	lb.	.23	—
l.c.l., works	lb.	.24	—
tanks, multiple units, 5 cars, works	lb.	.21	—
Hydrate, USP, 40-lb. jars, 1,000 lb. lots	lb.	1.00	—
500-lb. lots	lb.	1.03	—
100-lb. lots or less	lb.	1.05	—
Chloramine T, NF, bbls., works	lb.	.75	1.00
Chlordan, agricultural, dms., c.l., frt alld	lb.	.63	—
l.c.l., 5,000 to 10,000-lb. lots, frt alld	lb.	.66	—
clarif., dms., c.l., frt. alld	lb.	.69	—
l.c.l., 5,000 to 10,000-lb. lots, frt. alld	lb.	.70	—
Chlorinated paraffin, 42%, dms., c.l., frt. alld	lb.	.16¼	—
l.c.l., same basis	lb.	.17¼	—
70%, dms., c.l., same basis	lb.	.18¾	—
l.c.l., same basis	lb.	.19¾	—
Rubber, 5, 10, 20 cps., ctns., c.l., works	lb.	.55	—
l.c.l., works	lb.	.56	—
125, 1,000 cps., ctns., c.l., works	lb.	.65	—
l.c.l., works	lb.	.66	—
Chlorine, liq., cyls., c.l., works, frt. equald	lb.	.10¼	—
l.c.l., Metropolitan area	lb.	.11¾	.13
tanks, single units, works, frt. equald., 100 lbs.		3.05	—
multiple units, 5 cars, works, frt. equald., 100 lbs.		3.92	—
3 cars, same basis, 100 lbs.		4.12	—
2 cars, same basis, 100 lbs.		5.12	—
1 car, same basis, 100 lbs.		7.12	—
4-Chloro-2-aminotoluene, fused, bbls.	lb.	1.45	—
m-Chloroaniline, dms., min. 10,000 lbs. or over, frt. alld	lb.	.75	—
less than 10,000 lbs., same basis.	lb.	.80	—
tanks, same basis	lb.	.73	—
o-Chloroaniline, dms., c.l., frt. alld.	lb.	.65	—
l.c.l., same basis	lb.	.67	—
tanks, same basis	lb.	.63	—
p-Chloroaniline, dms., c.l., frt. alld.	lb.	.77	—
l.c.l., same basis	lb.	.79	—
o-Chlorobenzaldehyde, dms., t.l., works	lb.	1.05	—
l.t.l., works	lb.	1.20	—
p-Chlorobenzaldehyde, dms., c.l., works	lb.	1.95	—
Chloroform, tech., dms., c.l., dlvd. E	lb.	.18	—
l.c.l., same basis	lb.	.19	—
tanks, same basis	lb.	.17	—
USP, dms	lb.	.30	—
4-Chloro-4-nitroaniline, paste, dlvd. E., 100% basis	lb.	.81	—
powd., dlvd. E., 100% basis	lb.	.86	—
4-Chloro-2-nitroaniline, powd., dlvd. E	lb.	.80	—
o-Chlorophenol, dms., c.l. frt. equald.	lb.	.37	—
l.c.l., same basis	lb.	.38	—
p-Chlorophenol, dms., c.l., frt. equald	lb.	.37	—
l.c.l., same basis	lb.	.38	—
Chlorophyll, oil-soluble, not fixed, 4%, pails, tins, works	lb.	4.25	—
copper fixed, 6½%, tins, pails, works	lb.	4.23	—
dms., pails, works	lb.	3.75	—
8%, pails, dms., works	lb.	4.00	4.80
14%, dms., works	lb.	6.90	—
conc., dom., 50%, dms., works, 100% basis	lb.	42.00	—
75%, dms., works, 100% basis	lb.	45.00	—
90%-100%, dms., works, 100% basis	lb.	45.00	—
Chlorophyll, conc., imp., 60%, tins, 100% basis	lb.	58.00	—
75% tins, 100% basis	lb.	58.00	—
90% tins, 100% basis	lb.	58.00	—
Chloropicrin, comi., bots	lb.	1.50	—
cyls., 180 lbs., frt. alld	lb.	.95	—
100 lbs., same basis	lb.	.97	—
25 lbs., same basis	lb.	1.22	—
Choline bitartrate, fib. dms., frt. adjusted	lb.	1.25	1.35
Chloride, fib. dms., frt. adjusted.	lb.	1.25	1.35
Dihydrogen citrate, fib. dms., frt. adjusted	lb.	1.25	1.35
Chromium acetate, soln., 7½%, bbls., works	lb.	.09½	—
cbys., works	lb.	.11¼	—
Fluoride, bbls., works	lb.	.51	.52
Green (see Green, chrome).			
Oxide (see Green chromium oxide)			
Trioxide, NF, bots	lb.	.82	.89
Yellow (see Yellow chrome).			
Cinchona bark, NF, red, broken, bgs	lb.	.35	.40
yellow, broken, bgs	lb.	.35	.40
Cinchonidine, cryst. cns., 100-oz. lots.	oz.	.65	—
Sulfate, cns., 100-oz. lots	oz.	.35	—
Cinchonine, cryst., cns., 100-oz. lots.	oz.	.52	.57
Sulfate, NF, cns., 100-oz. lots	oz.	.27½	.30½
Cinchophen, NF, heavy density, dms., frt. adjusted	lb.	3.70	4.03
standard density, dms., same basis	lb.	3.50	3.85
Cinchophen-sodium, dms., frt. adjusted	lb	4.50	4.85
Cinnamic alcohol (see Alcohol cinnamic).			
Aldehyde, cns., dms	lb.	.95	1.25
Cinnamon, Ceylon, No. 2, bgs	lb.	.92	—
"000," bgs., afloat	lb.	1.00	Nom.
Citral, bots., cns	lb.	4.90	5.90
Citronellal, bots., dms	lb.	2.85	3.30
Citronellol, bots., dms	lb.	4.50	4.90
Civet, artif, bots	lb.	13.75	15.00
nat., bots	oz.	8.50	15.00
Clay, ball, dom., airfloated, bgs., c.l., Tenn	ton	19.50	—
crushed, shed moisture, bulk, c.l., Tenn	ton	10.00	—
purif., bgs., c.l., Tenn	ton	20.50	—
imp., airfloated, bgs., c.l., Atl. port	long-ton	42.00	45.00
lump, bulk, Atl. port	long-ton	27.00	30.20
China, dom., dry-grd., airfloat, 99% 325 mesh, bgs., c.l., Georgia, works	ton	10.00	—
l.c.l., Georgia, works	ton	15.50	—
300 mesh., bgs., c.l., Georgia, works	ton	13.50	14.50
l.c.l., Georgia works	ton	35.00	36.00
imp., white, lump, bulk, c.l., exdock, Phila., Portland, Me.	gross ton	20.00	35.00
powd., bgs., c.l., ex dock	net ton	50.00	—
l.c.l., ex whse	net ton	60.00	65.00
Clove, Madagascar, bgs	lb.	.41	—
Zanzibar, bgs.	lb.	.48	—

Watch your P's and Q's



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Uncounted millions of pharmaceutical tablets include small amounts of stearate to keep them firm, avoid chipping. Here purity of Metasap stearate is vital—truly justifying our efforts to produce the cleanest stearates made!

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Some industries served by Metasap

PAINT *makers solve pigment suspension problems with Metasap Stearates, producing primers and sanding sealers that have excellent filling qualities.*

LACQUER AND VARNISH *makers use Metasap Stearates to assure efficient flatting, and to obtain better finishes.*

PLASTICS *molders use Metasap Calcium, Zinc, and Barium Stearates to improve internal lubrication, which assures superior preforms, better finished products, and longer mold life.*

RUBBER *processors use Metasap Zinc and Magnesium Stearates to lubricate molds and prevent uncured stock from sticking.*

LUBRICANTS—*Grease makers use Metasap Stearates because these outstanding soaps afford a wide range of quality bases that help producers to meet any grease specifications.*

PAPER, *Textiles, Cosmetics, Food Processing, Pharmaceuticals, and many other industries call upon Metasap Stearates to perform important services.*

CMC—Deertongue Leaves

CMC, crude, 96%, low or medium vis., bgs., or fib. dms., 23,000 lbs., dlvd. E., 100% basis lb. .39½-.41
less than 23,000 lbs., dlvd. E., 100% basis lb. .41½-.43
65%, low or medium vis., bgs., or fib. dms., c.l., dlvd. E., 100% basis lb. .39½-.41
t.c.l. dlvd E. 100% basis. lb. .41½-.43
purif., high vis. (see Gum Cellulose).
Standard, low or medium vis., bgs., 23,000 lbs. or over, works, frt. alld lb. .55 - —
smaller lots, same basis lb. .57 - —

CMC prices W. of the Rockies are 2c. per lb lower and are on a works basis.

Coaltar, crude, resale for solns., dms., c.l., ex-whse gal. .255 - —
l.c.l., ex-whse gal. .275 - —
tanks, ex works gal. .155 - .159
refd., resale, dms., c.l., ex-whse. gal. .2650-.32
l.c.l., ex-whse gal. .2350-.34
tanks, ex-whse gal. .1650-.1760
Cobalt acetate, 23.7%, dms., dlvd. lb. 1.20 - —
Carbonate, 46% powd., bgs., dlvd. lb. 1 85 - —
Chloride, 24.2% Co. dms., dlvd. lb. 1.20 - —
Hydrate 60-61% Co., dms., dlvd lb. 2.62 - —
Cobalt linoleate, fused, 8½% Co., dms. lb. .75¾- —
liq., 6% Co., dms. lb. .61 - —
Metal, 97-99%, kgs., ex whse lb. 2.60 - —
Naphtenate, liq., 6% Co., dms., dlvd lb. .48¼- —
Nitrate, 20.1% Co., bbls., dlvd lb. 1.00 - —
Oxide, black, 72½-73½% Co., kgs lb. 1.96 - —
70-71% Co., kgs lb. 1.90 - —
Phosphate, powd., 32.1% Co., kgs., dlvd lb. 1.69 - —
Resinate, fused, 3% Co., dms. lb. .29¾- —
Sulfate cryst., 21% Co., dms., dlvd lb. .79 - —
monohydrated, 33% Co., dms., dlvd lb. 1.32 - —
Tallate, 6% Co., dms., dlvd lb. .43¾- —
Cocaine, USP, cns., 100-oz. lots oz. 17.80 - —
Hydrochloride, cns., 100-oz. lots. oz. 13.75 - —
Cocoa butter, bgs lb. .47 - .50
Codeine, NF, cns., 100-oz. lots oz. 13.25 - —
Hydrochloride, cns., 100-oz. lots oz. 11.75 - —
Phosphate, USP, cns., 100-oz. lots. oz. 10.25 - —
Sulfate, USP, cns., 100-oz. lots oz. 10.75 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls lb. .20 - .22
blue, bls lb. .20 - .22
Colchicine, USP, bots., cns. oz. 33.50 -40.00
Colchicum root, bls lb. .45 - .55
seed, bgs lb. .75 - 1.00
Collodion, USP, dms. lb. .32½- —
flexible, dms. lb. .34 - —
Colocynth, pulp, bls. lb. .25 - .30
Colombo root, bls. lb. .15 - .16
Condurango bark, bales lb. .40 - .50
Copaiba balsam, cns., dms. lb. .90 - 1.20
Copper acetate, bbls., c.l., works lb. .53 - —
l.c.l., works lb. .54 - —
Carbonate, 55%, bgs., c.l., works. lb. .3775- —
l.c.l., works lb. .3925- —
Chloride, anhyd., dms., works lb. .47½- .47¾
cryst., dihydrate, dms., works. lb. .32¼- .32¾
dried, dms., works lb. .40½- .41
Cyanide, tech., bbls. 20,000-lb. lots or more lb. .77½- —
1,000-lb. lots or more lb. .78½- —
smaller lots lb. .80½- —
Gluconate, dms. lb. 3.15 - 3.35
Hydrate, dms., c.l., frt. alld. E. of Miss lb. .57 - —
l.c.l., same basis lb. .57½- —
Metal, electrolytic, dlvd., Valley basis lb. .40 - —
Naphthenate, liq., 8% Cu, dms., frt. alld lb. .24½- —
Nitrate, tech., cryst., bbls., works. lb. .33¼- —
Oleate, solid, 9% Cu, dms., works lb. .45 - —
Oxide, black, bbls., 100-2,000-lb. lots, works lb. .54 - —
red, 97%, USN Type I, bbls., 100-5,000 lb. lots lb. .64½- —
90%, USN Type II, bbls., 100-5,000 lots or more, works. lb. .62½- —
Oxychloride, dms., c.l., works lb. .53 - —
l.c.l., works lb. .53½- .63½
Quinolinolate, fib. dms. lb. 4.25 - 4.50
Resinate, precip., dms., frt. alld lb. .31½- —

Copper sulfate, CP, gran., bbls., works lb. .2210- —
cryst., 99%, bgs., c.l., works, 100 lbs. 15.20 - —
l.c.l., same basis 100 lbs. 15.70 -18.20
monohydrated, 35%, dms., c.l., works 100 lbs. 25.00 - —
l.c.l., works 100 lbs. 25.75 - —
tribasic, dealers, bgs., c.l., works, frt. equald 100 lbs. 32.65 - —
l.c.l., same basis 100 lbs. 33.65 -36.65
Undecylenate, dms. lb. 2.00 - 3.00
Copra, Atlantic, Gulf ports, c.i.f. ton. 155.00 - —
Pacific ports, c.i.f. ton. 150.00 - —
Coriander seed, Moroccan, bgs. lb. .10½- .11
Roumanian, bgs lb. .09 - .09½
Yugoslavian, bgs. lb. .08½- —
Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min. 100 lbs. 7.16 - —
l.c.l. 100 lbs. 7.41 - —
Syrup, 42°, non-ret. dms., c.l. 100 lbs. 7.34 - —
l.c.l. lb. 7.49 - —
Corrosive sublimate (see Mercuric chloride).
Cortisone acetate, NNR, bulk gram. 3.50 - 3.55
Cottonseed meal, expeller, 41% bgs., bgs, Memphis ton. 56.00 - —
solvent, same basis ton. 56.00 - —
Cramp bark, NF, bls lb 85 - .90
Coumarin, NF, cryst., dms. lb. 3.60 - —
Cream of tartar (see Potassium bitartrate).
Creosote carbonate, NF, bots, cbys. lb. 3.05 - 3.26
Coaltar, crude, tanks, works, frt. adjusted gal. .22 - —
soln., 80% tanks, works gal. .2068- —
refd., dms., c.l., works gal. .42 - .44
l.c.l., same basis gal. .53 - .55
tanks, same basis gal. .33 - .35
Wood, beechwood, cbys., dms lb. 1.60 - 1.65
hardwood, NF, bots., cbys lb. 1.30 - 1.35
pinewood, dms., c.l., incl lb. .0561 - —
l.c.l., incl lb. .0634- —
N. Y. whse lb. .0745- —
tanks, works lb. .0460- —
Cresol, tech., 50% below 204°C., dry above 207°C., wide distillation range, non-ret. dms., c.l., frt. equald lb. .1625- —
l.c.l., same basis lb. .1675- —
tanks, same basis lb. .145 - —
USP, non-ret. dms., c.l., same basis lb. .1775- —
l.c.l., same basis lb. .1825- —
tanks, same basis lb. .160 - —
m-Cresol, 95-98%, dms., c.l., works. lb. .60 - —
l.c.l., works lb. .61 - —
m-p-Cresol, 5-95%, 3°C., dms., c.l., frt. equald lb. .1775- —
l.c.l., same basis lb. .1825- —
tanks, same basis lb. .160 - —
2-97%, 2°C., dms., c.l., frt. equald. lb. .2175- —
l.c.l., same basis lb. .2225- —
tanks, same basis lb. .200 - —
o-Cresol, m.p. over 30°C., ret. dms., c.l., frt. equald lb. .16¾- .17¾
l.c.l., same basis lb. .17¼- .18¼
tanks, same basis lb. .15 - .16
29°C., ret., dms., c.l., frt. equald. lb. .15¾- .16
l.c.l., same basis lb. .16¼- .16½
tanks, same basis lb. .14 - .15
25-29°C., dms., c.l., frt. equald. lb. .14¾- .15¾
l.c.l., same basis lb. .15¼- .16¼
tanks, same basis lb. .13 - .14
p-Cresol, 98% dms., c.l., dlvd lb. .50 - —
l.c.l., dlvd lb. .51 - —
tanks, dlvd lb. .49 - —
Methyl ether, cns lb. 1.80 - 2.05
Crotonaldehyde, 91-93%, dms., l.c.l., works lb. .24¼- .25
Cryolite, nat., indust., bgs., c.l., works 100 lbs. 13.00 - —
l.c.l., works 100 lbs. 14.25 - —
Insecticide, dealers, bgs., c.l., dlvd 100 lbs. 16.75 - —
l.c.l., dlvd 100 lbs. 17.75 - —
Cube root, powd., 5% rotenone, bgs., c.l., t.l., works lb. .29 - —
l.c.l., works lb. .30 - —
Cubeb berries, XX, NF, bgs. lb. .60 - .65
powd., cs lb. .75 - .80
Cumene, dms., c.l., works lb. .12 - —
l.c.l., works lb. .14 - —
tanks, works lb. .11 - —
Cumin seed, Iranian, bgs lb. .14 - .14½
Turkish, bgs. lb. .14½- .15
Cutch extract, 55% tannin, bgs., ex dock, duty extra lb. .08½- —
Cyanamide, fertilizer mixing grades, 21% N, gran., bgs., Niagara Falls, Ont., contract ton. 55.00 - —
pulv., 21% N, bgs., works, unit-ton 2.75 - —
Indust. grade, c.l., warks ton. 75.00 - —
l.c.l., bgs., works ton. 96.00 - —
6-16 mesh, dms., c.l., works ton. 120.00 - —
l.c.l., works ton. 140.00 - —
Cyclohexane, 99%, tech., dms., c.l., works gal. .70 - —
l.c.l., works gal. .72 - —
tanks, works gal. .55 - —
Cyclohexanol, tech., dms., c.l., works, frt. alld., E lb. .28 - —
l.c.l., works, same basis lb. .29 - —
tanks, works, same basis lb. .24 - —
Cyclohexanone, tech., dms., c.l., works lb. .32½- —
l.c.l., works lb. .35 - —
tanks, works lb. .29 - —
Cyclohexene, min. 98%, b.r. 82.5°C-85°C, 360-lb. dms., c.l., works lb. .55 - —
l.c.l., same basis lb. .60 - —
tanks, same basis lb. .52 - —
Cyclohexylamine, dms., c.l., works. lb. .46½- —
l.c.l., works lb. .48½- —
tanks, works lb. .45 - —
Cyclopropane, CP, 2-lb. cyls., works. cyl. 48.00 - —
6 oz. cyls., works cyl. 12.00 - —
USP, hospitals, cyls., 40-gal. lots, gal. .38 - —
100-gal. lots gal. .37 - —
200-gal. lots gal. .36 - —

D

2-4-D, tech., dms., c.l., works, frt. equald lb. .37 - —
l.c.l., same basis lb. .42 - .46
Butyl ester, dms., c.l., works. lb. .40 - —
l.c.l., same basis lb. .45 - .49
tanks, same basis lb. .39 - —
Isopropyl ester, dms., c.l., works. lb. .40 - —
l.c.l., works lb. .45 - .49
tanks, works lb. .39 - —
Dandelion root, bls lb. .35 - .40
DDD, tech., flake, grd. fib. dms., c.l., works lb. .45 - —
l.c.l., works lb. .46 - —
DDT powder, bgs., c.l., works, frt. equald lb. .23 - .27
smaller lots, same basis lb. .24 - .28
fib. dms., c.l., same basis lb. .24 - .28
smaller lots, same basis lb. .25 - .29
1-Decanol, tech., dms., c.l., dlvd lb. .43 - —
l.c.l., dlvd lb. .43 - —
tanks, dlvd lb. .38½- —
Deertongue leaves, bls lb. .45 - —

QUALITY control measures that end at your plant door aren't enough. Your product can become seriously contaminated if shipped in containers that aren't specially treated to maintain your product's purity.

Contaminated products are great "customer-losers." Yet, contamination-en-route can be avoided by shipping in USS Steel Drums. That's because every USS Steel Drum goes through several special steps to make all surfaces spotlessly clean and free of scale. Once inner and outer surfaces are prepared, they are thoroughly coated with a special phosphate solution that assures long-term freedom from rust. This combination of immaculate steel surfaces and special phosphate-coating protection means that your product will arrive at your customer's door as pure as the moment it left your plant—when you ship in USS Steel Drums.

Product-protecting USS Steel Drums are available in sizes from 2½ to 110 gallons, either plain or decorated. To meet special needs, we have a wide variety of custom fittings and openings.

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DIVISION
UNITED STATES STEEL CORPORATION
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Chicago, Ill. • New Orleans, La. • Sharon, Pa. • Camden, N. J.

USS STEEL DRUMS
"It's Better to Ship in Steel"

UNITED STATES STEEL

Defluorinated phosphate, feed grade, 13% P, paper bgs., c.l., t.l., works	ton	49.50	—
17%P paper bgs., c.l., t.l., works	ton	58.00	—
18% P, paper bgs., c.l., t.l., works	ton	64.10	—
Prices of defluorinated phosphate in bulk $3 per ton less than bag carlot prices.			
Degras, neutral, bbls	lb.	.10 -	.18
d-Desoxyephedrine hydrochloride, bots	lb.	24.00 -	25.00
dl, bots	lb.	6.50 -	—
Dextrin, corn, gum, paper bgs., c.l.	100 lbs.	9.28 -	—
l.c.l.	100 lbs.	9.43 -	—
canary, dark, paper bgs., c.l.	100 lbs.	9.12 -	—
l.c.l.	100 lbs.	9.27 -	—
light, paper bgs., c.l.	100 lbs.	9.02 -	—
l.c.l.	100 lbs.	9.17 -	—
white, paper bgs., c.l.	100 lbs.	8.86 -	—
l.c.l.	100 lbs.	9.01 -	—
Corn dextrin in cotton bgs. 15c. per 100 lbs higher.			
Potato, imported, bgs	lb.	.10½ -	.11
Dextrose, USP, dms	lb.	.17¾ -	—
Diacetone (see Alcohol diacetone).			
Diacetyl, flavor grade, bots	lb.	4.25 -	5.50
Di-sec-amyl phenol, dms., c.l., works	lb.	.32 -	—
l.c.l., works	lb.	.33 -	—
tanks, works	lb.	.29½ -	—
Di-tert-amyl phenol, dms., c.l., works	lb.	.32 -	—
l.c.l., works	lb.	.33 -	—
tanks, works	lb.	.29½ -	—
o-Dianisidine fib. dms	lb.	2.00 -	—
Dibenzyl sebacate dms., c.l., works.	lb.	.89¾ -	.90
l.c.l. same basis	lb.	.90¼ -	.91
tanks, same basis	lb.	.53 -	—
p-Dibromobenzene bgs., 500-lb. lots.	lb.	.55 -	—
Dibutyl phthalate, dms., c.l., dlvd. E	lb.	.32½ -	—
l.c.l., same basis	lb.	.33½ -	—
tanks, same basis	lb.	.30 -	—
Sebacate, dms., c.l., works	lb.	.66 -	—
l.c.l., works	lb.	.66½ -	.67
tanks, works, dlvd	lb.	.64 -	.64½
Tartrate dms works, frt. alld	lb.	.64 -	—
Dibutylamine, dms., c.l., dlvd	lb.	.55½ -	—
l.c.l., same basis	lb.	.56½ -	—
tanks, same basis	lb.	.53 -	—
2,6-Di-tert-butyl-p-cresol, food grade, dms., t.l., c.l., dlvd	lb.	1.20 -	—
l.t.l., dlvd	lb.	1.24 -	—
tech., dms., c.l.	lb.	.91 -	—
l.c.l.	lb.	.95 -	—
Dicapryl phthalate, dms., c.l., dlvd.,	lb.	.31 -	.32
l.c.l., dlvd	lb.	.32 -	.33
tanks, dlvd	lb.	.29½ -	—
Sebacate, dms., c.l., works	lb.	.63 -	—
l.c.l., works	lb.	.63½ -	.64
tanks, works	lb.	.61 -	—
2,5-Dichloroaniline, dms., works	lb.	.83 -	—
o-Dichlorobenzene dms., c.l., frt., alld. E	lb.	.12¼ -	—
l.c.l., same basis	lb.	.13¼ -	—
tanks, same basis	lb.	.10¾ -	—
p-Dichlorobenzene, dms., c.l., frt., alld. E	lb.	.14½ -	—
l.c.l., same basis	lb.	.17 -	—
1,4-Dichlorobutane, dms., c.l. or t.l., works	lb.	.33½ -	—
l.c.l., or l.t.l., works	lb.	.34 -	—
tanks, works	lb.	.32 -	—
Dichlorodiphenyltrichloroethane (see DDT).			
Dichloropentanes, dist., dms., c.l., works	lb.	.05 -	—
l.c.l., works	lb.	.06 -	—
tanks, works	lb.	.03 -	—
Dicyclohexylamine, dms., c.l., works.	lb.	.51 -	—
l.c.l., works	lb.	.51¾ -	—
tanks, works	lb.	.49½ -	—
Dicyclohexyl phthalate, fib. dms., c.l., works, frt. alld	lb.	.58¼ -	.59
l.c.l. same basis	lb.	.59¼ -	.60
Didecyl phthalate, dms., c.l., works.	lb.	.34 -	—
l.c.l., same basis	lb.	.35 -	—
tanks, same basis	lb.	.31½ -	—
Dieldrin, dms., frt. alld	lb.	1.80 -	—
l.c.l., frt. alld	lb.	1.85 -	—
Diethanolamine, dms., c.l., dlvd. E.	lb.	.27 -	—
l.c.l., same basis	lb.	.28 -	—
tanks, same basis	lb.	.24½ -	—
Diethyl carbonate, dms., c.l., frt. alld	lb.	.47 -	—
l.c.l. same basis	lb.	.48 -	—
tanks, same basis	lb.	.45 -	—
Ethanolamines, dms., c.l., dlvd.	lb.	.69½ -	—
l.c.l., dlvd	lb.	.70½ -	—
tanks, dlvd	lb	.67 -	—
Oxalate, dms., c.l., frt. alld	lb.	.42 -	.43
l.c.l. same basis	lb.	.43 -	—
tanks same basis	lb.	.40 -	—
Phthalate, dms., c.l., dlvd	lb.	.29½ -	—
l.c.l., dlvd	lb.	.30½ -	—
tanks, dlvd	lb.	.27 -	—
Sulfate, dms., c.l., works	lb.	.19 -	—
l.c.l., works	lb.	.19¾ -	—
tanks, works	lb.	.17 -	—
Diethylamine, dms., c.l., dlvd. E.	lb.	.51 -	—
l.c.l., same basis	lb.	.52 -	—
tanks, same basis	lb.	.48½ -	—
N,N-Diethylaniline, dms., c.l., frt. alld	lb.	.51 -	—
l.c.l., same basis	lb.	.52 -	—
tanks, same basis	lb.	.50 -	—
Di-2-ethylhexyl adipate (see Dioctyl adipate).			
Diethylene glycol, dms., c.l., dlvd. E.	lb.	.17¾ -	—
l.c.l., same basis	lb.	.18¾ -	—
tanks, same basis	lb.	.15¼ -	—
Boriborate, dms., l.c.l.	lb.	.31 -	—
Diethyl ether, dms., c.l., works.	lb.	.47½ -	—
l.c.l., works	lb.	.48¼ -	—
Monobutyl ether, dms., c.l., dlvd. E	lb.	.30¾ -	—
l.c.l., dlvd. E	lb.	.31¾ -	—
tanks, dlvd. E	lb.	.28¼ -	—
Acetate, dms., c.l., works	lb.	.30¼ -	—
l.c.l., works	lb.	.31 -	—
tanks, dlvd. E	lb.	.28¼ -	—
Monoethyl ether, dms., c.l., dlvd	lb.	.22½ -	—
l.c.l., dlvd	lb.	.23½ -	—
tanks, dlvd	lb.	.20 -	—
Acetate, dms., c.l., works	lb.	.27¼ -	—
l.c.l., works	lb.	.28 -	—
tanks, dlvd. E	lb.	.25¼ -	—
Monomethyl ether, dms., c.l., dlvd	lb.	.20½ -	—
l.c.l., dlvd	lb.	.21½ -	—
tanks, dlvd	lb.	.18½ -	—
Diethylenetriamine, dms., c.l., dlvd. E	lb.	.44 -	—
l.c.l., dlvd. E	lb.	.45 -	—
tanks, dlvd. E	lb.	.41½ -	—
Diethylstilbestrol, USP, bots., 10-kilo lots	kilo.	100.00 -	147.50
1 kilo lot	kilo.	110.00 -	152.50
Digitalis leaves, USP, dom., dms.,	lb.	1.10 -	1.25
Digitoxin, USP, bots	gram.	5.00 -	5.50
Diglycol laurate, dms	lb.	.35 -	.38
Stearate dms., ton lots	lb.	.25 -	—
Dihexyl sebacate, dms., c.l., works.	lb.	.64 -	—
l.c.l., works	lb.	.64½ -	.65
tanks, works	lb.	.62 -	—
Dihydrazine sulfate, dms., works.	lb.	1.10 -	1.25
Dihydrostreptomycin hydrochloride, bulk	gram.	.07 -	.0745
Sulfate, bulk	gram.	.07 -	.0745
1,2-Dihydroxy anthraquinone, dms., works	lb.	2.75 -	—
2,2-Dihydroxy-5-5-dichloro-diphenyl-methane, pure, dms	lb.	2.55 -	—
tech., dms	lb.	1.09 -	—
Di-isobutyl ketone, dms., c.l., dlvd.	lb.	.16½ -	—
l.c.l., dlvd	lb.	.17½ -	—
tanks, dlvd	lb.	.14 -	—
Phthalate, dms., c.l., dlvd. E	lb.	.31½ -	—
l.c.l., same basis	lb.	.32½ -	—
tanks, same basis	lb.	.29 -	—
Di-isobutylene dms., c.l., dlvd. E	lb.	.10 -	—
l.c.l., dlvd E	lb.	.11 -	—
tanks, dlvd E	lb.	.08 -	—
Di-iso-octyl pntnalate, dms., c.l., dlvd	lb.	.33 -	—
l.c.l., same basis	lb.	.34 -	—
tanks, same basis	lb.	.30½ -	—
Sebacate, dms., c.l., works	lb.	.63½ -	—
l.c.l., works	lb.	.64½ -	—
tanks, works	lb.	.61 -	—
Di-isopropanolamine, dms., c.l., dlvd.	lb.	.23¼ -	—
l.c.l., same basis	lb.	.24¼ -	—
tanks, same basis	lb.	.20¾ -	—
Di-isopropylamine dms c.l., dlvd. E. of Rockies	lb.	.50½ -	—
l.c.l., same basis	lb.	.51½ -	—
tanks, same nasis	lb	46	—
Dillseed, dewhiskered, bgs	lb.	.10 -	.10½
nat., bgs.	lb.	.09 -	—
Dimethyl anthranilate, cns	lb.	4.35 -	5.10
Chloroacetal, dms., c.l., works	lb.	.45 -	—
l.c.l., works	lb.	.50 -	—
tanks, works	lb	.40 -	—
Ethanolamines, anhyd., dms., c.l., dlvd	lb.	1.225 -	—
l.c.l., dlvd	lb.	1.235 -	—
tanks, dlvd.	lb.	1.20 -	—
70%, dms., c.l., dlvd., 100% basis, contained amines	lb.	.68½ -	—
l.c.l., dlvd., 100% basis	lb.	.69½ -	—
tanks, dlvd. 100% basis	lb.	.66 -	—
Dimethyl hydroquinone, dms	lb.	2.20 -	2.25
Phthalate, dms., c.l., works	lb.	.30 -	—
l.c.l., works	lb.	.31 -	—
tanks, works	lb.	.27½ -	—
Sebacate, dms., c.l., works	lb.	1.275 -	—
l.c.l., dlvd	lb.	1.285 -	—
tanks, works	lb.	1.25 -	—
Sulfate, 55-gal. ret. dms., c.l., works	lb.	.15 -	—
l.c.l., works	lb	.16 -	—
10-gal. ret. dms., l.c.l., works.	lb.	.16½ -	—
Dimethylamine 25% soln dms., c.l., frt equald	lb.	.42 -	—
l.c.l., frt equald	lb.	.42½ -	—
tanks, frt. equald	lb.	.33 -	—
40% soln. dms. c.l., frt. equald	lb.	.39 -	—
l.c.l. frt equald	lb.	.39½ -	—
tanks, frt. equald	lb.	.33 -	—
N,N-Dimethylaniline, dms., c.l., frt. alld	lb.	.29½ -	—
l.c.l. frt alld	lb.	.30½ -	—
tanks, frt. alld	lb.	.28½ -	—
N,N-Dimethylformamide dms. works.	lb.	.34 -	.39
tanks works	lb.	.33 -	—
2,4-Dinitroaniline, dms., 1,000-lb. lots, same basis, frt. equald	lb.	.68 -	—
smaller lots, frt. equald	lb.	.71 -	—
m-Dinitrobenzene, 85°C., dms	lb.	.22 -	—
89°C., dms	lb.	.24 -	—
2,4-Dinitrochlorobenzene, crystallizing at 46½°C., dms., c.l., frt. alld. E	lb.	.15¼ -	—
l.c.l., frt. alld E	lb.	.15¾ -	—
tanks, frt. alld E	lb.	.15 -	—
2,4-Dinitrochlorobenzene, crystallizing at 48°C., dms., c.l., frt. alld. E	lb.	.20¼ -	—
l.c.l., frt. alld. E	lb.	.20¾ -	—
tanks, frt. alld. E	lb.	.20 -	—
2,4-Dinitrophenol, bbls	lb.	.37 -	—
2,4-Dinitrotoluene, oily, dms	lb.	.11 -	—
refd., 63°C., dms	lb.	.23 -	—
Dioctyl adipate, dms., c.l., works.	lb.	.42½ -	—
l.c.l., works	lb.	.43½ -	—
tanks, works	lb.	.40 -	—
Phthalate, dms., c.l., frt. alld	lb.	.33 -	—
l.c.l., frt. alld	lb.	.34 -	—
tanks, frt. alld	lb.	.30½ -	—
Sebacate, dms., c.l., works	lb.	.60½ -	—
l.c.l., works	lb.	.61½ -	.62½
tanks, works, dlvd	lb.	.58 -	.58½
Di-o-tolylguanidine, dms., ton lots, frt. alld	lb.	.60 -	—
smaller lots, frt. alld	lb.	.61 -	—
1,4-Dioxane, dms., c.l., works	lb.	.23¾ -	—
l.c.l., same basis	lb.	.29¼ -	—
tanks, same basis	lb.	.27 -	—
Dip oil (see Tar acid oil).			
Dipentaerythritol, bgs., l.c.l., works.	lb.	.35 -	—
Dipentene, dest-dist., dms., c.l., works	gal.	.47 -	—
l.c.l., works	gal.	.52 -	—
ex-whse.	gal.	.62 -	—
steam-dist., dms., c.l., works, South	gal.	.59 -	—
dlvd. N. Y	gal.	.67 -	—
tanks, works, South	gal.	.45 -	—

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Ethyl Amyl Ketone
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Hexylene Glycol
Methyl Isobutyl Carbinol
Diacetone Alcohol
Secondary Butyl Alcohol
Isopropyl Ether

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Diphenyl, bbls., c.l., works ..... lb. .15 - —
l.c.l., works ..... lb. .16 - —
Diphenyl in bags ¼c. lower.
Oxide, perfume grade, cns ... lb. .56 - .61
Phthalate, dms., c.l., works ... lb. .51¾- —
l.c.l., works ..... lb. .53¾- —
Diphenylamine, refd., flake, bgs., c.l., works, frt. equald lb. .31 - —
l.c.l., works, frt. equald lb. .33 - —
fused, tanks, works, frt. equald. lb. .29 - —
tech., fused, tanks, works, frt. equald lb. .28 - —
Diphenylguanidine, bgs., dms., ton lots, frt. alld lb. .50 - —
smaller lots, frt. alld ..... lb. .51 - —
Diphenylhydantoin-sodium USP, dms lb. 5.00 - 5.60
Dipropylene glycol, dms., c.l., frt. alld lb. .17¼- —
l.c.l., same basis ..... lb. .18¼- —
tanks, same basis ..... lb. .15¼- —
Monomethyl ether, dms., c.l., dlvd. E lb. .20 - —
l.c.l., same basis ..... lb. .21 - —
tanks, same basis ..... lb. .18½- —
Divi-divi, 45% tannin, bgs., bls., c.l., U.S. ports, exdock ton 70.00 -72.00
Divinylbenzene, 20-25% dms., c.l., works, frt. equald lb. .20 - —
l.c.l., same basis ..... lb. .21 - —
tanks, same basis ..... lb. .19 - —
50-60%, dms., c.l., works, 100% basis lb 1.00 - —
l.c.l., works, 100% basis lb. 1.05 - —
Dodecylbenzene, dms., c.l., frt. alld lb. .14 - —
l.c.l., same basis ..... lb. .15 - —
tanks, same basis ..... lb. .12 - —

Dyes, coaltar, certified colors for food, drugs and cosmetics, 500-lb. and 1-lb. lots, dlvd:—
Blue, FD & C, No. 1 ..... lb.15.65 -17.60
No. 2 ..... lb.15.65 -17.60
Green, FD & C, No. 1 ..... lb.15.65 -17.60
No. 2 ..... lb.19.60 -22.85
No. 3 ..... lb.21.30 -35.90
Red, FD & C, No. 1, cns ..... lb. 5.90 - 7.85
No. 2 ..... lb. 3.30 - 4.10
No. 3 ..... lb.19.60 -22.85
No. 4 ..... lb. 5.55 - 7.50
Violet, FD & C, No. 1, cns ..... lb.15.65 -17.60
Yellow, FD & C, No. 1, cns ..... lb. 9.15 -11.05
No. 5 ..... lb. 3.30 - 4.10
No. 6 ..... lb. 3.30 - 4.10

Dyes, coaltar, certified colors for drugs and cosmetics, 200 lb. and 1 lb. lots, dlvd:—
Black, D&C, No. 1 ..... lb.10.50 -10.95
Brown, D&C, No. 1 ..... lb.15.65 -16.10
Green, D&C, No. 5 ..... lb.15.65 -16.10
No. 6 ..... lb.15.65 -16.10
No. 7 ..... lb.14.35 -14.80

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd:—
Orange, D&C, No. 3 ..... lb.10.50 -10.95
No. 4 ..... lb.19.60 -20.05
No. 5 ..... lb. 5.25 - 5.70
No. 17 ..... lb.10.50 -10.95
No. 18 ..... lb.23.55 -24.00
No. 19 ..... lb.15.50 -15.45
No. 21 ..... lb. 3.10 - 3.60
No. 22 ..... lb.10.50 -10.95
No. 33 ..... lb.24.20 -24.65
No. 33 ..... lb.17.00 -17.45
Violet, D&C, No. 2 ..... lb.15.65 -16.10

Dyes, coaltar, certified, colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd:—
Yellow, D&C, No. 7 ..... lb.10.50 -10.95
No. 8 ..... lb.10.50 -10.95
No. 10 ..... lb.13.05 -13.50
No. 11 ..... lb.13.05 -13.50

Dyes, coaltar, certified colors for drugs and cosmetics, external use, 1-lb. lots, works, 25-50 lb. lots, dlvd:—
Blue, Ext., D&C, No. 1, cns ... lb.15.65 -16.10
Green, Ext., D&C, No. 1, cns ... lb.15.65 -16.10
Red, Ext., D&C, No. 1, cns ... lb.13.05 -13.50
Yellow, Ext., D&C, No. 1, cns. lb.10.50 -10.95

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype), contract, dlvd. No.
20 Chrysoidine Y, dustless lb. .89 - —
27 Fast light, orange 2G ... lb. 1.09 - —
31 Phloxine 2G ..... lb. .89 - —
36 Yellow 2G ..... lb. 1.00 - —
40 Orange R extra, conc ... lb. 1.29 - —
57 Fuchsine 6B ..... lb. 1.31 - —
79 Scarlet 2R ..... lb. .98 - —
151 Orange AD ..... lb. .67 - —
161 Orange RR ..... lb. .80 - —
176 Fast red A ..... lb. 1.18 - —
179 Rubine XX, conc ..... lb. 1.25 - —
180 Blue F4B ..... lb. 1.11 - —
185 Brilliant scarlet 3RU, conc. lb. 1.02 - —
202 Chrome blue black R, conc. lb. .91 - —
561 Brown B ..... lb. 2.45 - —
581 Black EB, 200% ..... lb. 1.13 - —
203 Chrome black T ..... lb. .94 - —
208 Fast blue SR ..... lb. 1.10 - —
216 Chrome red B ..... lb. .92 - —
234 Brown Y ..... lb. 1.08 - —
246 Blue black, extra, conc ... lb. 1.16 - —
275 Milling red 3R, conc ... lb. 1.62 - —
289 Navy blue 3R, conc ..... lb. 1.44 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype), contract, dlvd. No.
299 Black F, conc ..... lb. 1.86 - —
304 Neutral black 2B, conc. lb. 2.21 - —
326 Fast scarlet 4BNC ..... lb. 1.80 - —
332 Bismark brown RX, conc., dustless lb. 1.16 - —
365 Brilliant yellow, conc ... lb. 3.11 - —
382 Scarlet B ..... lb. 2.29 - —
401 Diazo black BHD ..... lb. .79 - —
406 Blue 2B, extra conc ..... lb. 1.30 - —
419 Red FC ..... lb. 1.23 - —
420 Brown M ..... lb. 1.19 - —
448 Red 4BX, conc ..... lb. 1.43 - —
518 Diamine sky blue FF, extra, conc lb. 1.65 - —
593 Green BY, conc ..... lb. .87 - —
596 Yellow Brown K, extra .lb. 1.07 - —
620 Yellow 2G ..... lb. 1.11 - —
639 Fast Yellow GG ..... lb. 1.97 - —
640 Yellow XX ..... lb. 1.95 - —
655 Yellow OX ..... lb. 2.24 - —
657 Green V ..... lb. 2.31 - —
662 Brilliant green G ..... lb. 3.07 - —
667 Milling green 6B, conc lb. 4.05 - —
671 Blue EG ..... lb. 1.68 - —
681 Crystal violet powder ... lb. 2.15 - —
698 Violet 6BN Powder ..... lb. 1.91 - —
720 Brilliant blue BBG ..... lb. 2.07 - —
729 Blue B, conc ..... lb. 3.06 - —
749 Red BX ..... lb. .87 - —
800 Chinoline yellow ZSS ..... lb. 2.67 - —
860 Induline base ZM ..... lb. 1.07 - —
860 Induline base Z2R ..... lb. 1.07 - —
814 Yellow NN, conc ..... lb. 3.11 - —
841 Safranine GF, extra, conc. lb. 3.48 - —
865 Nigrosine J ..... lb. 4.76 - —
922 Blue GXX ..... lb. 1.88 - —
978 Black GXCF, conc ..... lb. .32 - —
1034 Alizarine red SC ..... lb. 2.85 - —
1054 Alizarine blue SAPX ..... lb. 3.20 - —
1078 Alizarine green CG, extra. lb. 2.99 - —
1085 Alizarine blue black B lb. 2.56 - —
1096 Golden orange GFD, single paste lb. 2.19 - —
1099 Dark blue BO, single paste. lb. 1.93 - —
1101 Jade green N supra double paste lb. 1.10 - —
1106 Blue RS, double paste lb. 3.26 - —
1113 Blue BLFD, double paste. lb. 2.48 - —
1150 Olive R, single paste .... lb. 1.21 - —
1151 Brown R, single paste ... lb. 1.94 - —
1171 Indigo synthetic, 20% paste. lb. .31 - —
1217 Orange RD, double powder. lb. 3.94 - —
p-4 Brown PG ..... lb. 2.54 - —
p-14 Brown EB ..... lb. 1.83 - —
p-24 Gray L ..... lb. 1.76 - —
p-80 Diazo brilliant scarlet ROAD lb. 3.07 - —
p-202 Diazo black VJ, conc ... lb. 2.10 - —
p-244 Brilliant scarlet BN ..... lb. 1.44 - —
p-313 Naphthol SWF ..... lb. 2.24 - —

Dyes, coaltar, oil soluble, 100 lb. dms., dlvd.
24 Oil orange Z-7078 ..... lb. 1.06 - —
73 Oil scarlet ZBL ..... lb. 1.44 - —
1073 Oil violet ZIRS ..... lb. 6.81 - —
1078 Alizarine cyanine green base Z lb. 6.13 - —

Dyes, coaltar, for stains, oil soluble, 100-lb. dms., sellers' works,
1080 Oil violet special Z ..... lb. 6.81 - —
Oil black ZBC ..... lb. 4.46 - —
Oil black ZBD ..... lb. 3.03 - —
Oil black ZHH ..... lb. 4.61 - —
Oil black ZMM ..... lb. 6.52 - —
Oil blue ZN ..... lb. 8.02 - —
Oil blue ZV ..... lb. 4.95 - —
Oil orange ZMG ..... lb. 1.32 - —
Oil red Z-1700 ..... lb. 1.49 - —
Oil yellow ZG, conc ..... lb. 6.33 - —

Dyes, coaltar, spirit soluble, 100 lb. dms., dlvd.
p-517 Spirit yellow ZR ..... lb. 4.62 - —
p-520 Spirit orange ZR, conc ... lb. 5.87 - —
Spirit black ZRB ..... lb. 2.95 - —
Spirit brown ZG ..... lb. 5.30 - —
Spirit red ZB, conc ..... lb. 6.41 - —

E

Echinacea root, bls ..... lb. 1.10 - —
Egg albumin (see Albumin).
Yolk, dried, dom., bbls ..... lb. 1.03 - 1.07
tanners, bbls ..... lb. .06 - .06¼
Elm bark, grinding, bls ..... lb. .30 - .32
powd., bbls., bxs ..... lb. .45 - —
select, bundles ..... lb. .75 - —
Emetine hydrochloride, USP, bots oz. 42.50 -44.00
Endrin, tech., dms., dlvd., 100% basis lb. 3.75 - —
Ephedrine, syn., USP, anhyd., bots., 100-oz. lots oz. .98 - 1.00
hydrous, bots., 100-oz. lots oz. .92 - —
Hydrochloride, tins, 100-oz. lots. oz. .75 - —
Sulfate, cryst., tins, 100-oz. lots. oz. .72 - —
powd., tins, 100-oz lots oz. .73 - —
Epichlorohydrin, dms., c.l., dlvd. lb. .35 - —
l.c.l., dlvd ..... lb. .36 - —
tanks, dlvd ..... lb. .33 - —
Epinephrine, syn., USP, bots., 100-gram lots gram. .60 - —
Epsom salt (see Magnesium sulfate).
Ergot, NF, dms., tin-lined ..... lb. 2.00 - —
Eserine salicylate, bots ..... oz. 84.00 - —
Sulfate, bots ..... oz. 84.00 - —
Ether (see specific product).
Ethyl acetate, nat., ferment., 85-88%, dms., c.l., frt. alld lb. .14 - —
l.c.l., frt. alld ..... lb. .15 - —
tanks, frt. alld ..... lb. .11½- —
95-98%, dms., c.l., frt. alld. lb. .14¼- —
l.c.l., frt. alld ..... lb. .15¼- —
tanks, frt. alld ..... lb. .11¾- —
99%, dms., c.l., frt. alld lb. .14½- —
l.c.l., frt. alld ..... lb. .15½- —
tanks, frt. alld ..... lb. .12 - —
syn., 85-88%, dms., c.l., dlvd. lb. .14 - —
l.c.l., dlvd ..... lb. .15 - —
tanks, dlvd ..... lb. .11½- —
95-98%, dms., c.l., dlvd .... lb. .14¼- —
l.c.l., dlvd ..... lb. .15¼- —
tanks, dlvd ..... lb. .11¾- —
99%, dms., c.l., dlvd ..... lb. .14½- —
l.c.l., dlvd ..... lb. .15½- —
tanks, dlvd ..... lb. .12 - —
indust., dms., c.l., dlvd ..... lb. .12½- —
l.c.l., dlvd. E ..... lb. .13½- —
tanks, dlvd. E ..... lb. .10 - —
Acetoacetate, dms., c.l., dlvd .. lb. .58½- —
l.c.l., dlvd ..... lb. .59½- —
tanks, dlvd ..... lb. .56 - —
Acrylate, dms., c.l., t.l., dlvd. lb. .36 - —
l.t.l., dlvd ..... lb. .37 - —
tanks, dlvd ..... lb. .34 - —
Aminobenzoate, USP (see Benzocaine).
Amyl ketone, dms., c.l., dlvd .. lb. .20 - —
l.c.l., same basis ..... lb. .21 - —
tanks, same basis ..... lb. .17½- —
Benzoate, bots ..... lb. .74 - .90
Bromide, tech., 98%, dms., c.l., frt. alld. E lb. .42 - .44
l.c.l., frt. alld. E ..... lb. .44 - .46
Butyl ketone, dms., c.l., works. lb. .36 - —
l.c.l., works ..... lb. .36¾- —
tanks, works ..... lb. .34 - —

your
"rolling pipe line"
More than 2600 Olin Mathieson tank cars are in service every day shuttling between a score of production points and our customers to assure dependable delivery of Mathieson Chemicals.
In a sense, they form a "pipe line" connecting major consuming and producing areas. And, they perform the important function of balancing out local shortages and surpluses.
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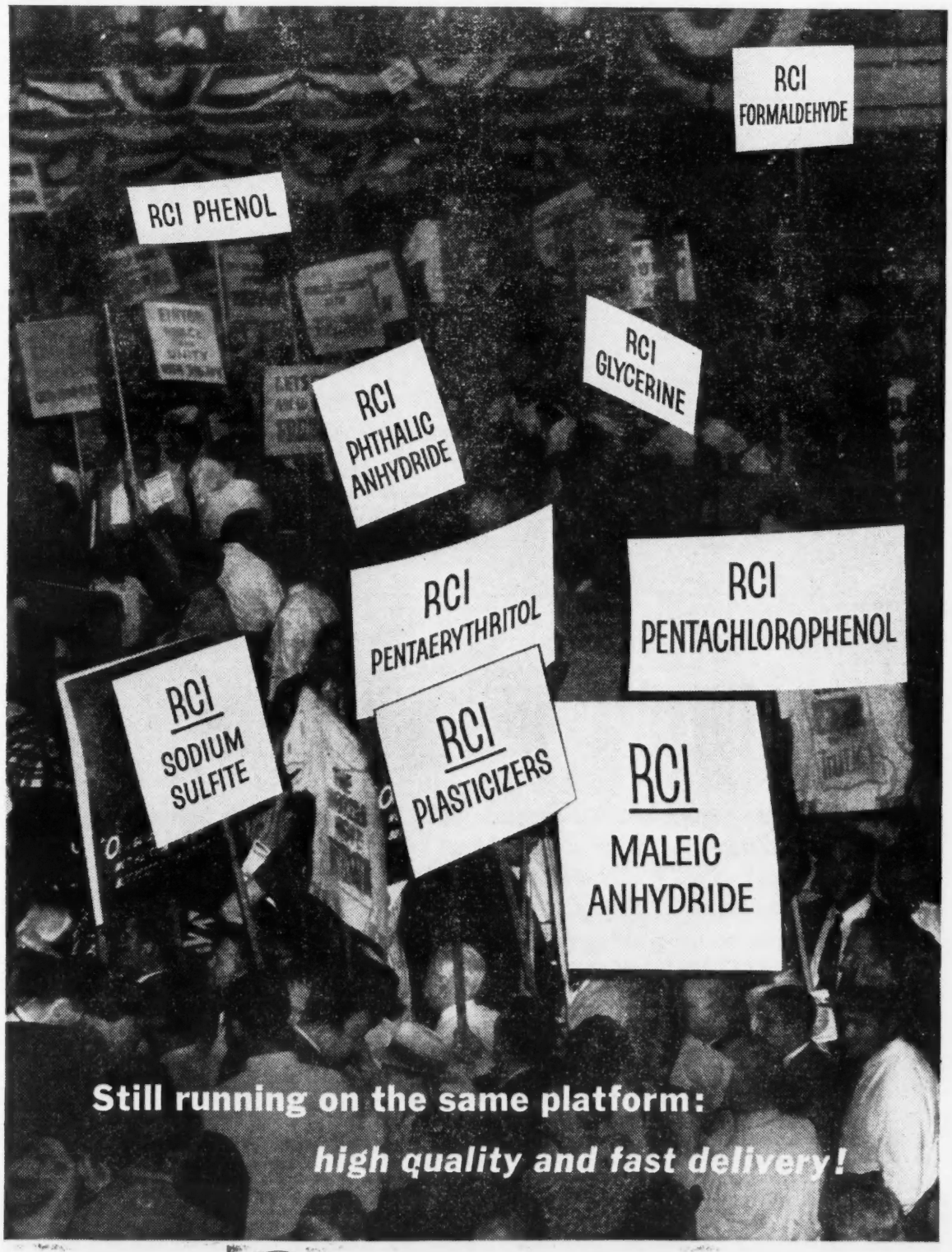
Ethyl butyrate, works ..... lb. .85 - .90
Carbamate (see Urethane).
Cellulose, vis. 7 cps., bgs., 5,000-lb. lots or more, works lb. .70 - —
smaller lots, works lb. .72 - .80
vis. 10, 20, 50, 100, 150 cps., bgs., 2,000-lb. lots or more, works lb. .65 - .70
smaller lots, works lb. .67 - .81
Chloride, tech., cyl., works lb. .20 - .22
dms., works lb. .18 - .20
tanks, works lb. .10 - —
Cinnamate, cns lb. 3.35 - 3.45
Ether, absolute, ACS, dms lb. .27 - —
anesthesia, USP, hospitals, 1-lb. cns lb. 1.01 - —
½-lb. cns lb. 1.11 - —
¼-lb. cns lb. 1.21 - —
Gallate, dms., 100 to 2,000-lb. lots lb. 3.90 - 4.40
Iodide, cbys., works lb. 3.30 - —
Methacrylate, dms., c.l., and less than truckload, works, frt. equald lb. .51½ - .52
Morphine hydrochloride, USP, bots. oz. 11.85 - —
Nitrite (see Nitrous ether).
Oenanthate, dms lb 1.00 - 1.50
Oleate, dms., l.c.l. works lb. No prices.
Oxalate (see Diethyl oxalate)
Silicate dist. (see Tetraethyl orthosilicate).
40% available SiO_2, dms., c.l., dlvd lb. .49½ - —
l.c.l., dlvd lb. .50½ - —
tanks, dlvd lb. .47 - —
Ethylethanolamines, mixed, dms., c.l., dlvd. E lb. .43½ - —
l.c.l., dlvd. E lb. .44½ - —
tanks, dlvd. E lb. .41½ - —
N-Ethyl-a-naphthylamine, dms., works, lb. 1.02 - —
N-Ethyl-o-toluidide, bbls. lb. .88 - —
Ethylamine (see Mono, Di- or Tri-)
N-Ethylaniline, dms., c.l., frt. alld. lb. .51 - —
l.c.l., frt. alld lb. .52 - —
tanks, frt. alld lb. .50 - —
Ethylbenzene, 99%, dms., c.l., or t.l., frt. equald lb. .17 - —
l.t.l., same basis lb. .18 - —
tanks, same basis lb. .15 - —
Ethylene dichloride, dms. c.l., dlvd. lb. .11½ - —
l.c.l., same basis lb. .12½ - —
tanks, same basis lb. .09 - —
Ethylene dichloride prices W. of Rockies, 1c. per lb. higher.
Glycol, indust., dms., c.l., dlvd. E lb. .16 - —
l.c.l., same basis lb. .17 - —
tanks, same basis lb. .13½ - —
Monobutyl ether, dms., c.l., dlvd. E lb. .22 - —
l.c.l., dlvd. E lb. .23 - —
tanks, dlvd. E lb. .19½ - —
Monoethyl ether, dms., c.l., dlvd. E lb. .21 - —
l.c.l., dlvd. E lb. .22 - —
tanks, dlvd. E lb. .18½ - —
Acetate, dms., c.l., dlvd. E lb. .19½ - —
l.c.l., dlvd. E lb. .20½ - —
tanks, dlvd. E lb. .17 - —
Monomethyl ether, dms., c.l., dlvd. E lb. .21 - —
l.c.l., dlvd. E lb. .22 - —
tanks, dlvd. E lb. .18½ - —
Acetate, dms., c.l., dlvd. E lb. .29 - —
l.c.l., dlvd. E lb. .29¾ - —
tanks, dlvd. E lb. .27 - —
Monostearate, triple pressed, dms lb. .34 - —
Oxide, dms., c.l., dlvd. E lb. .21½ - —
l.c.l., dlvd. E lb. .24½ - —
tanks, dlvd. E lb. .15½ - —
Trichloride (see Trichloroethane).
Ethylenediamine, 85-88%, dms., c.l., dlvd. E, 100% basis lb. .46 - —
l.c.l., dlvd. E., 100% basis lb. .47 - —
tanks, dlvd. E., 100% basis lb. .44 - —
Ethylvanillin, cns., 25-lb. lots lb. 6.20 - 6.25
Eucalyptol, USP, cns., dms lb. 1.25 - 1.50
Eugenol, USP, bots lb. 2.25 - 2.60
Euphorbia herb, bls lb. .15 - .17

F

Feldspar, 140-200 mesh, bulk, c.l., works ton 18.50 - —
Feldspar in bags $3 per ton higher.
Fennel seed, Argentine, bgs lb. .17½ - —
Czech, medium, bgs lb. .11½ - —
Indian, light, bgs lb. .12 - .13
Roumanian, bgs. lb. .11 - —
Fenugreek seed, Indian, bgs lb. .08½ - .09
Moroccan, bgs lb. .08½ - .09
Ferric acetate, liquor, 28°, bbls., c.l., works lb. .09 - —
l.c.l., works lb. .09¾ - —
soln., USP IX, cbys lb. .16 - —
djns. lb. .17 - —
Cacaodylate NF, bots lb. 13.00 - 14.00
Chloride, anhyd., tech., dms., c.l., works 100 lbs. 7.00 - —
l.c.l., works 100 lbs. 7.85 - —
indust., cryst., bbls., c.l., works. 100 lbs. 5.25 - 6.75
l.c.l., works 100 lbs. 5.75 - 7.25
42° Be, photo grade, cbys., c.l., works 100 lbs. 7.25 - 8.25
sewage grade, tanks, frt. equald, 100% basis. 100 lbs. 3.50 - —
USP, cryst., dms., works lb. .07½ - .09
Citrate, gran., dms. lb. .86 - —
Hypophosphite, NF, dms lb. 3.45 - —
Naphthenate, liq., 6% Fe, dms., frt. alld lb. .25¾ - —
Oxalate, gran. dms lb. .85 - .87
Oxides (see oxides under Black, Brown, Red, and Yellow.)
Phosphate, NF, soluble, gran., pearls, cs lb. .64 - .65
Pyrophosphate, NF VII, soluble, powd., gran., pearls, dms., 10,000 lb. lots lb. .40½ - —
Resinate, 6¾% Fe, dms., frt. alld. lb. .29½ - —
Stearate, dms., c.l., frt. alld lb. .37 - —
l.c.l., frt. alld lb. .38 - .42
Sulfate, partially hydrated, bgs., c.l., works ton 31.75 - 33.75
l.c.l., works ton 34.75 - 40.75
lb. .37 - —
Ferric-ammonium citrate, brown, pearls, NF, gran., dms lb. .60 - .63
green, pearls, USP XII, gran., dms lb. .60 - .63
Oxalate, fine gran., dms lb. .25½ - .28½
Ferric-potassium oxalate, fine gran., dms lb. .30½ - .33½
Ferric-sodium oxalate, fine gran., dms lb. .25½ - .28½
Ferrous gluconate, NF, dms lb. .94 - —
Sulfate, gran., bgs., c.l., works. ton 34.50 - —
l.c.l., dlvd. Metropolitan area 100 lbs. 3.35 - 4.25
bbls., c.l., works ton 40.00 - —
bulk, c.l., works ton 27.00 - —
USP, cryst., bbls., dms lb. .09½ - .10
Fir, balsam, Canada, cns gal. 32.00 - —
Oregon, bbls. gal. 4.00 - —
Fishliver oil (see Oil fishliver).
Fishmeal, dom., menhaden, 60% protein, grd., bgs., Chesapeake Bay area ton 135.00 - —
scrap, same basis ton 130.00 - —
Fleaseed (see Psyllium seed).
Formaldehyde, USP, 37% (inhibited), methanol, Zone 1, dms., c.l., dlvd lb. .07 - —
l.c.l., works lb. .0745 - .075
tanks, dlvd. lb. .042 - —
Zone 2, 12-15% methanol, dms, c.l., dlvd lb. .0735 - —
tanks, dlvd lb. .045 - —
Methanol-free (uninhibited), Zone 1, tanks, dlvd lb. .0395 - —
Zone 2, tanks, dlvd lb. .042 - —
Fringetree bark, bls lb. .60 - .61
Fullers' earth, bgs., c.l. Ill. mines, ton 19.00 - —
powd., insecticide grade, dried, bgs., c.l. Ga. or Fla. mines ton 17.50 - —
calcined, bgs. c.l., same basis ton 20.00 - 21.75
oil-bleaching grade, 100-mesh, bgs., c.l., same basis ton 16.30 - 17.00
200-mesh, bgs., c.l., same basis ton 17.50 - 18.00
spent, bgs., c.l., shipt. point ton. 4.50 - 5.00
Furfural, dms., c.l., works lb. .13 - —
l.c.l., works lb. .14 - —
tanks, dlvd. E lb. .12 - —
dlvd. W lb. .13 - —
Fusel oil, refd., dms., c.l., dlvd lb. .18 - —
l.c.l., dlvd lb. .19 - —
tanks, dlvd lb. .15½ - —
Fustic extract, cryst., No. 1, bbls., l.c.l lb. .47½ - —
No. 2, bbls., l.c.l lb. .45½ - —
No. 3, bbls., l.c.l lb. .43½ - —
liq., No. 1, bbls., l.c.l lb. .22½ - —
No. 2, bbls., l.c.l lb. 21½ - —
No. 3, bbls., l.c.l lb. .19 - —
solid, No. 1, bxs., l.c.l lb. .45 - —

G

G salt, bbls., frt. alld, 100% basis lb. .73 - —
Gammapicoline (see g-Picoline)
Gelatin, edible, pure (pork skin), 75 Bloom test, bbls., c.l lb. .53 - —
150 Bloom test, bbl., c.l lb. .64 - —
200 Bloom test, bbls., c.l lb. .70 - —
225 Bloom test, bbls., c.l lb. .73 - —
275 Bloom test, bbl., c.l lb. .81 - —
Gelsemium root, bls lb. .23 - .24
Gentian root, bls lb. .17 - .20
grd., bbls., bxs lb. .22 - .23
powd., bbls., bxs lb. .23 - .24
Geraniol, extra, cns., dms lb. 4.50 - 4.85
standard, cns., dms lb. 4.20 - —
Geranyl acetate, cns lb. 4.05 - 4.50
Ginger oleoresin, NF, from African root, bots lb 4.00 - 7.75
from Jamaican root, bots lb 6.00 - 10.25
Root, African, bls lb. .34 - —
Cochin, bgs. lb. .31 - .32
Jamaican, No. 2, bgs lb. .86 - —
No. 3, bgs lb. .80 - —
Nigerian, split, bgs lb. .30 - —
Glauber's salt, anhyd (see Sodium sulfate).
Glue, bone, extracted, dry bone, 86 jellygrams, bgs., c.l., dlvd lb. .15 - —
104 jellygrams, same basis lb. .17 - —
131 jellygrams, same basis lb. .18 - —
164 jellygrams, same basis lb. .20½ - —
191 jellygrams, same basis lb. .21 - —
222 jellygrams, same basis lb. .22 - —
Glue, bone, green, 40 jellygrams, bgs., c.l., dlvd lb. .13½ - —
65 jellygrams, same basis lb. .13¾ - —
86 jellygrams, same basis lb. .14 - —
115 jellygrams, same basis lb. .14½ - —
135 jellygrams, same basis lb. .15 - —
164 jellygrams, same basis lb. .16 - —
180 jellygrams, same basis lb. .17 - —
200 jellygrams, same basis lb. .18½ - —
Bone glue, l.c.l. prices 1c. higher.
Hide, 70-94 jellygrams, bgs., c.l., dlvd lb. .15 - —
95-121 bgs. c.l., dlvd lb 16 - —
122-149, bgs., c.l., dlvd lb. 18 - —
150-177, bgs., c.l., dlvd lb. 20 - —
178-206, bgs., c.l., dlvd lb. 22 - —
207-236, bgs., c.l., dlvd lb. 24 - —
237-266, bgs., c.l., dlvd lb. 26 - —
267-298, bgs., c.l., dlvd lb. 28 - —
299-330 bgs., c.l., dlvd lb. 30 - —
331-362 bgs., c.l., dlvd lb. 32 - —
363-394, bgs., c.l., dlvd lb. 34 - —
395-427, bgs., c.l., dlvd lb. 36 - —
428-460, bgs., c.l., dlvd lb. 38 - —
461-494, bgs., c.l., dlvd lb. 40 - —
495-529, bgs., c.l., dlvd lb. 41 - —
Hide glue l.c.l. prices 1c. higher.
Glycerine, nat., crude, saponification, 88%, to refineries, tanks lb. .1760- —
soaplye, 80%, tanks lb. .16 - —
refd., CP, USP, 99%, dms., c.l., dlvd lb. .31½ - —
l.c.l., dlvd lb. .32 - —
tanks, dlvd lb. .30 - —



Creative Chemistry . . .
Your Partner in Progress

REICHHOLD

REICHHOLD CHEMICALS, INC., RCI BUILDING, WHITE PLAINS, N.Y.

Glycerine—Ipecac Root

Glycerine, refd., CP, USP, 96%, dms., c.l., dlvd	lb.	.30½	—
	lb.	.30½	—
l.c.l., dlvd	lb.	.31	—
tanks, dlvd	lb.	.29	—
high gravity, dms., c.l., dlvd.	lb.	.31¼	—
l.c.l., dlvd	lb.	.31¾	—
tanks, dlvd	lb.	.29¾	—
yellow, dist., dms., c.l., dlvd.	lb.	.30½	—
l.c.l., dlvd.	lb.	.31	—
syn., dms., c.l., dlvd.	lb.	.31½	—
l.c.l., dlvd	lb.	.32	—
tanks, dlvd	lb.	.30	—
Glycine (see Acid aminoacetic).			
Glycerol (see Gylcerine).			
Glyoxal, 30%, dms., c.l., works	lb.	.18½	—
l.c.l., works	lb.	.19¼	—
Golden seal root, NF, tested, bls.	lb.	2.25	2.50
powd., bxs	lb.	2.75	3.25
Graphite, amorph., powd., bgs., fib. dms., ex whse	lb.	.06	.09½
crystalline, 88-90%, powd., bgs., fib. dms., ex whse	lb.	.19	.21½
90-92%, powd., bgs., fib. dms., ex whse	lb.	.21	.24½
95-97%, powd., bgs., fib. dms., ex whse	lb.	.29	.31½
flake, No. 1, 90-95%, bgs., fib. dms., ex whse	lb.	.29	.31
No. 2, 90-95%, bgs., fib. dms., ex whse	lb.	.29	.31
Grease, white, choice, all hog tanks, dlvd	lb.	.07⅝	.07½
yellow, tanks, dlvd	lb.	.06⅜	.06½
Green, brilliant, thioflavin, toner, molybdated, PMA, kgs., works	lb.	5.10	—
tungstated, PTMA, kgs., works.	lb.	6.40	—
Chrome, CP, dark, light, medium, blue content 1 to 15%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss., including St. Paul, Minn., Davenport, Rock Island, St. Louis	lb.	.40	—
16-30%, bbls., same basis	lb.	.40	—
31-45%, bbls., same basis	lb.	.41	—
45-49%, bbls., same basis	lb.	.44	—
reduced color, 25%, bbls., same basis	lb.	.19	—

Chrome green prices are ½c. higher, dlvd at the following points, except as noted:—Ala., Fla., Ga., La. (Shreveport 1½c.), Miss. N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Chromium oxide, hydrated, bbls., fib. dms., c.l., frt. alld	lb.	1.00	1.10
pure, bgs., c.l., frt. alld	lb.	.42	—
l.c.l. same basis	lb.	.43	—
Dyes (see Dyes, coaltar).			
Malachite, straight, PTMA, bbls., works	lb.	4.60	—
Green, Paris (see Paris green).			
Phthalocyanine toner, bbls., works.	lb.	3.05	—
resinated, bbls	lb.	3.50	—
water dispersable, bbls	lb.	1.71	—
Pigment B, kegs	lb.	1.35	—
paste, kegs	lb.	.38	—
Grindelia robusta herb, bls	lb.	.38	.40
Guaiacol, NF, cryst., dms., tins	lb.	2.10	2.15
liq., cbys., dms	lb.	2.30	2.40
Carbonate, NF VII, dms	lb.	3.40	3.45
Gum, aloe (see Aloe).			
Arabic, amber, sorts, bgs	lb.	.22	.23
powd., USP, bbls	lb.	.27	.28
Asafetida (see A).			
Asphaltum (see A).			
Benzoin, Sumatra, cs	lb.	.38	.42
Camphor (see C).			
Cellulose, high vis., bgs., 23,000-lb. lots or more, works, frt. alld	lb.	.55	—
smaller lots, same basis	lb.	.57	—
Copal, Congo, No. 1, bgs	lb.	.23	—
No. 2, bgs	lb.	.19	.21
No. 3, bgs	lb.	.15½	.17
Manila C, bgs	lb.	.38	.40
CBB, bgs	lb.	.36	Nom.
DBB, bgs	lb.	.28	.31
DK, bgs	lb.	No stocks.	
dust, bgs	lb.	.14	Nom.
MA, soft, bgs.	lb.	.19½	.22
WS, bgs.	lb.	No stocks.	
Philippine, pale, chips, bgs.	lb.	.21	.24
nubs, bgs	lb.	.31	.35
seeds, bgs	lb.	.20	.22
sorts, bgs	lb.	.20½	—
Pontianak, chips, bgs.	lb.	.25	—
nubs, bgs	lb.	.39	.40
Dammar, Batavia, A/E, cs	lb.	No stocks.	
dust, bgs	lb.	.16½	.17½
E, bgs	lb.	.20	.22
Gum, dammar, East India, batu, bold, bgs.	lb.	.13½	.15½
nubs and chips, bgs	lb.	.08	.09
black, bold, bgs	lb.	.14	.16
unscraped, bgs	lb.	.12½	.14
nubs and chips, bgs	lb.	.11	.13
pale, chips, bgs.	lb.	.14½	.15½
nubs, bgs	lb.	.17	.19
Slam, cs	lb.	.39	—
Singapore, No. 1 bgs	lb.	.45	.48
No. 2, bgs	lb.	.32	.34
No. 3, bgs	lb.	No stocks.	
dust., bgs.	lb.	.16½	.17
seeds, bgs	lb.	.20	.22
Ester, gum-rosin type, dms., c.l., dlvd. Ill., Md., Ky., Mich., Mid-Atl. States, N. E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va	lb.	.14½	.16
wood-rosin type, dms., c.l., same basis	lb.	.15	.16
Guar, food grade, bgs., c.l.	lb.	.50	—
tech. grade, bgs., c.l.	lb.	.40	—
Karaya, No. 1, NF, powd., bbls	lb.	.55	—
No. 2, powd., bbls.	lb.	.45	—
No. 3, powd., bbls	lb.	.40	—
Locust bean, powd., bgs	lb.	.38	.41
Myrrh, cs.	lb.	.55	—
Opium (see Opium).			
Olibanum siftings, cs	lb.	.15	.20
tears, cs.	lb.	.22	.30
Rosin (see Naval Stores, Protective Coatings Market).			
Sterculia (see Gum Karaya).			
Tragacanth, No. 1, ribbons, cs.	lb.	3.50	4.25
No. 2, cs	lb.	3.00	3.50
No. 3, cs	lb.	2.50	3.00
powd., USP, bbls	lb.	2.25	2.30
Gypsum, plaster of paris, 100-lb paper, bgs., trucks, dlvd	N Y C ton.	20.30	—
Terra alba, dom., paper bgs., same basis	ton.	20.00	—
works, N. Y. C	ton.	17.00	—
imp., English, 100-lb. paper bgs., ex dock, N. Y. C.	ton.	55.00	—
ex warehouse	ton.	60.00	62.00

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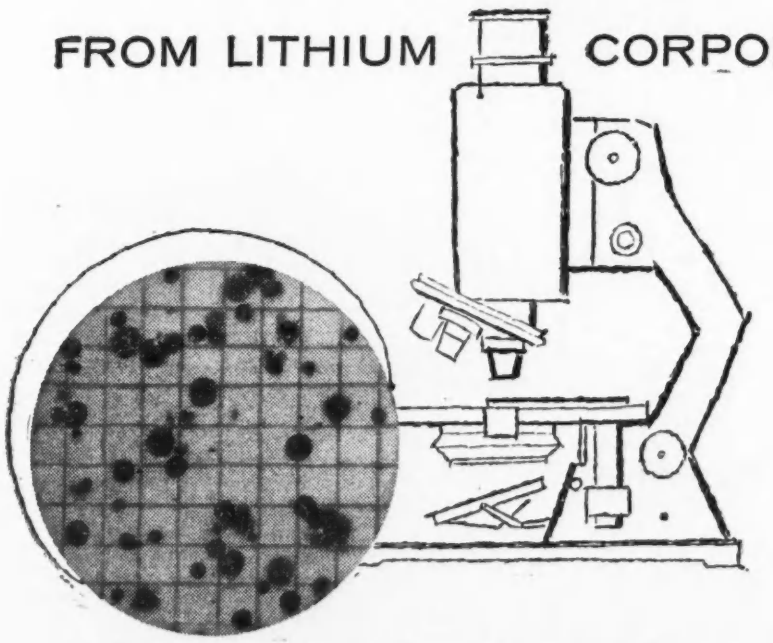

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H

Hawthorn berries, bgs	lb.	.24	.28
Heliotropin, 100-lb. lots, dms	lb.	3.00	3.25
Hellebore root, dom., green, bls	lb.	70	75
Helonias root, bls	lb.	1.75	2.00
Hematine extract, cryst., No. 1, bbls., l.c.l.	lb.	.47	—
No. 2, bbls., l.c.l	lb.	.43	—
No. 3, bbls., l.c.l	lb.	.41	—
No. 4, bbls., l.c.l	lb.	.39	—
No. 5, bbls., l.c.l	lb.	.37	—
paste, No. 1, bbls., l.c.l	lb.	.20½	—
Henbane leaves, bls	lb.	.35	.40
Heptane, indust., tanks, Bayonne, N. J	gal.	.19	—
Baytown, Tex	gal.	.14¾	—
Borger, Tex	gal.	.14¾	—
Hesperidin, purif., 25 lb. lots, f.o.b., works	lb.	8.95	—
Methylchalcone, bots., 50-lb. lots, works	lb.	22.50	—
5-lb. lots, works	lb.	23.00	—
1-lb. lots, works	lb.	23.50	—
Hexachlorophene, dms	lb.	1.98	—
Hexalin (see Cyclonexanol).			
Hexamethylenetetramine, tech., bgs., 20,000-lb. lots or more, Perth Amboy or N.Y.C.	lb.	.222	—
1,000-19,999-lb. lots, same basis	lb.	.232	—
smaller lots, same basis	lb.	.242	—
fib dms., 1,000-lb. lots or more, same basis	lb.	.239	—
smaller lots same basis	lb.	.242	—
USP, dms., 500-lb. lots or more, smaller lots, same basis	lb.	.41½	—
Hexane, indust., tanks, Bayonne, N. J	gal.	.19	—
Baytown, Tex	gal.	.15½	—
Borger, Tex	gal.	.15½	—
1-Hexanol, dms., c.l., works	lb.	.35	—
l.c.l., works	lb.	.35¾	—
tanks, works	lb	.33	—
Hexyl cinnamic aldehyde, dms	lb.	4.00	7.50
Salicylate, dms	lb.	1.75	—
Hexylene glycol, dms., c.l., dlvd	lb.	.17	—
l.c.l., dlvd	lb.	.18	—
tanks, dlvd	lb.	.14½	—
n-Hexyl methacrylate, dms., less than truckload, works	lb.	.71	—
Hexylresorcinol, USP, dms., 50-lb. lots or more, dlvd	lb.	14.00	—
smaller lots, dlvd	lb.	14.50	—
Histamine diphosphate, USP, bots	kilo.	400.00	—
l-Histidine hydrochloride, NF, fib. dms., 50-kilo lots, works.	kilo.	80.00	85.00
1-5 kilo lots, works	kilo	90.00	95.00
Homatropine hydrobromide, USP, bots	oz.	8.50	—
Methylbromide, USP, bots	oz.	5.65	—
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago	unit-ton.	6.25	—
Horehound herb, bls	lb.	16	.19
Hydrastine, bots	oz.	29.50	31.00
Hydrochloride, NF, bots	oz.	29.50	31.00
Hydrastis (see Goldenseal).			
Hydrazine, free base, ret. dms., works	lb.	No stocks.	
Hydrate, 85%, ret. dms., works	lb.	1.35	1.55
100%, ret. dms., works	lb.	1.60	1.90
Hydrocortisone acetate, bulk, bots., dms	gram.	4.50	—
Alcohol, bulk, bots., dms	gram.	4.50	—
Hydrofuramide, dms., fib. ctns., works	lb.	.30	.40
Hydrogen chloride, anhyd., 50-lb. cyls., c.l., works	lb.	.45	—
l.c.l., works	lb.	.55	.60
Fluoride anhyd., cyls., dlvd. E	lb.	.30½	.32¼
dlvd. W	lb.	.39	—
tanks, works	lb.	.21	—
Peroxide, USP, bbls., dlvd	lb.	.03¾	.05
35%, dms., c.l., dlvd	lb.	.202	—
l.c.l., dlvd	lb.	.211	—
tanks, dlvd	lb.	.1800	—
Hydroquinone, pnoto grade, bbls., dms	lb.	.98	1.00
tech., dms., c.l., dlvd	lb.	.82½	—
l.c.l., dlvd	lb.	.84½	—
Hydroxycitronellal, cns	lb.	6.00	7.45
Hyoscine salts (see Scopolamine).			
Hyoscyamine, bots	oz.	13.50	—
Hydrobromide, bots	oz.	6.00	7.00
Sulfate, bots	oz.	7.00	7.50
Hypernic extract, cryst., No. 2, bbls., l.c.l	lb.	.52	—
liq., No. 1, bbls., l.c.l	lb.	.35	—
No. 2, bbls., l.c.l	lb.	.27	—

I

Ichthammol, NF, jars	lb.	.75	2.57
Indian red (see Red, Indian).			
Indigo (see Dyes, coaltar, 1171 Indigo synthetic).			
Indole, CP, bots	lb.	16.50	21.00
Inositol, bots., dlvd	lb.	5.00	—
dms., dlvd	lb.	4.50	4.75
Insect flowers (see Pyrethrum).			
Iodine, crude, kgs	lb.	1.42	—
resub., USP, dms., jars	lb.	2.30	2.32
Iodochlorohydroxyquinolin, USP, dms	lb.	5.90	—
Iodoform, NF, dms., kgs	lb.	4.90	5.00
a-Ionone, cns	lb.	5.25	5.40
b-Ionone, cns	lb.	5.40	5.70
Ipecac root, bgs., whole	lb.	7.50	8.00
powd., bbls., bxs	lb.	8.50	9.00

Irish moss, bleached, prime, bls	lb.	.28	.34
Iron compounds (see Ferric or Ferrous).			
Iron oxides (see under Black, Brown, Red, and Yellow).			
Isoborneol, cns	lb.	1.25	1.70
Isobornyl acetate, cns	lb.	.46	.70
Formate, dms	lb.	.80	—
Propionate, dms	lb.	1.15	1.45
Isobutyl acetate, perfume grade, cns	lb.	.75	1.00
solvent grade, dms., c.l., dlvd. E. of Rockies	lb.	.14¼	—
l.c.l., same basis	lb.	.15¼	—
tanks, same basis	lb.	.11¾	—
Isobutyraldehyde, CP, dms., c.l., dlvd	lb.	.27½	—
l.c.l., dlvd	lb.	.28½	—
tech., dms., c.l., dlvd	lb.	.21½	—
l.c.l., dlvd	lb.	.22½	—
tanks dlvd	lb.	.19½	—
Isoeugenol, cns	lb.	3.60	4.40
Isoniazid, powd., bulk, 25-kilo lots or more	kilo	23.00	25.50
smaller lots	kilo	24.00	26.00
Isopentane, coml. grade, tanks, f.o.b. Tex, refy gal.		.15½	—
Isonicotinic acid hydrazide (see Isoniazid).			
Isophorone, dms., c.l., works	lb.	.24½	—
l.c.l., works	lb.	.25¼	—
tanks, works	lb.	.22½	—
Isopropanol (see Alcohol, isopropyl).			
Isopropyl acetate, dms., c.l., dlvd.	lb.	.13	—
l.c.l., same basis	lb.	.14	—
tanks, same basis	lb.	.10½	—
Alcohol (see Alcohol, isopropyl).			
Benzene (see Cumene).			
Ether, dms., c.l., dlvd	lb.	.07	—
l.c.l., dlvd	lb.	.08	—
tanks, dlvd	lb.	.05	—
Isopropyl-N-(3-chlorophenyl) carbamate, (CIPC), 70% in xylol, dms., c.l., t.l., works	lb.	.70	—
l.c.l., works	lb.	.714	.814
Isopropylamine (see Mono, Di, or Tri-).			
Isopropyl-N-phenyl carbamate, 450-lb. fib. dms., c.l., t.l., works.	lb.	.75	—
l.c.l., works	lb.	.80	.90
Isoquinoline, dms., works	lb.	.65	1.25

J

Jalap root, NF, bls	lb.	.45	.55
powd., bbls., bxs	lb.	.55	.65
Juniper berries, bgs	lb	18	.20
Tar, NF, dms	lb.	.42	.60

K

Kaolin (see also Clay China).			
NF, powd., fib. dms	lb.	.10	.12
colloidal, fib. dms	lb.	.15½	.17½
Kola nuts, bgs	lb.	.15	—

L

Lactose, edible, fib. dms., 30,000-lb. lots, works	lb.	.15	.15½
2,000-lb. lots, works	lb.	.15¾	.16½
200-1,800-lb. lots, works	lb.	.16¾	.17
Edible lactose in bgs. ½-1c. lower.			
fermentation grade, bgs., c.l., works	lb.	.08½	—
USP, fib. dms., 30,000-lb. lots, works	lb.	.21½	—
2,000-lb. lots, works	lb.	.22¼	—
200-1,800-lb. lots, works	lb.	.22¾	—
USP lactose in bgs. 1c. lower.			
Lanolin, cosmetic, dms., works	lb.	.26	.28
USP, anhyd., dms., works	lb.	.24	.26
hydrous, dms., works	lb.	.23	.25
Lard, cash, dms., Chicago	lb.	.11⅛	—
Larkspur seed, bgs	lb.	.20	.23
Laurel leaves, Greek, bls	lb.	.12	—
Portuguese, bls	lb.	.11	—
Turkish, bls	lb.	.27	—
Yugoslavian, bls	lb.	.11	—
n-Lauryl methacrylate, dms., c.l. or t.l., works	lb.	.65½	—
Lavender flowers, medium, bls	lb.	.75	.80
ord., bls	lb.	.25	.40
select., bls	lb.	.90	—
Lead acetate, white, cryst., bbls	lb.	.23½	—
gran., bbls	lb.	.24½	—
powd., bbls	lb.	.24½	—
NF, cryst., gran., powd	lb.	.32½	—
Arsenate, acid powder, dealers, 3-lb. bgs. or larger, c.l., frt. alld on 95 lbs. or more	lb.	.27½	—
l.c.l., frt. alld	lb.	.28½	—
1-lb. bgs., c.l.	lb.	.41½	—
l.c.l.	lb.	.42½	—
Blue, basic sulfate, bbls., c.l., shipt. point, frt. alld	lb.	.17¼	—
l.c.l., same basis	lb.	.18¼	—
Carbonate (see Lead, white, basic carbonate).			
Chloride, dms	lb.	.45	—
Iodide, NF, V jars	lb.	3.82	—
Linoleate, fused, 26%% Pb, dms.	lb.	.33	—
Metal pigs, prime, N. Y.	lb.	.15	—
St. Louis	lb.	.1580	—
Metallic paste, dms., 20,000-40,000-lots, works	lb.	.33¾	—
10,000-20,000-lb. lots, same basis	lb.	.34¾	—
200-2,000-lb. lots, same basis.	lb.	.35¼	—
Prices ex whse. Jersey City, N. J., 4½c. per lb. higher.			
Monosilicate, bgs., c.l., works, frt. equald	lb.	.20	—
l.c.l., same basis	lb.	.2075	—
Naphthenate, liq., 16% Pb, dms., dlvd	lb.	.17	—
24% Pb., dms., dlvd	lb.	.21	—
solid, 37% Pb., dms., dlvd	lb.	.27½	—
Nitrate, bbls	lb.	.23¼	—
Orthosilicate-silica gel, 50-60% PbO, dms., works	lb.	.29¾	.34¼
Peroxide, tech., powd., bbls	lb.	.38¾	.40¼
Phthalate, dibasic, dms., works	lb.	.41	—
Red, 95% Pb_3O_4, or less, bbls., c.l., works, frt. alld	lb.	.19	—
l.c.l., same basis	lb.	.20	—
97% Pb_3O_4, bbls., c.l., same basis.	lb.	.192	—
l.c.l., same basis	lb.	.202	—
98% Pb_3O_4, bbls., c.l., same basis.	lb.	.1935	—
l.c.l., same basis	lb.	.2035	—
Resinate, precip., 23% Pb, dms., dlvd	lb.	.32½	—
Salicylate, normal, dms., works.	lb.	.46	—
Silicate (see Lead, white, basic, silicate).			
Sulfate (see Lead, blue, basic sulfate, Lead white, basic sulfate).			
Tallate, liq., 16% Pb, dms	lb.	.15	—
24% Pb., dms	lb.	.18½	—
solid, 30%	lb.	.23¼	—
White, basic carbonate, bgs., c.l., shipt. point, frt. alld	lb.	.19	—
l.c.l., same basis	lb.	.20	—
Lead, white, silicate, bgs., c.l., shipt. point, frt. alld	lb.	.17¼	—
l.c.l., same basis	lb.	.18¼	—
sulfate, bgs., c.l., shipt. point, frt. alld	lb.	.17¼	—
l.c.l., same basis	lb.	.18¼	—
Lecithin, edible, tech., bleached, non-ret. dms., works	lb.	.15	.17
l.c.l., same basis	lb.	.15½	.17½
unbleached, non-ret. dms., c.l., same basis	lb.	.13	.15
l.c.l., same basis	lb.	.14½	.16½
Lemon bioflavonoid complex, 25-lb. lots, works	lb.	9.00	—
dl-Leucine, dms., works	lb	12.25	15.00
Licorice root, whole, bbls	lb.	.10	.12
gran., bbls	lb.	.15	.17
powd., bbls	lb	.12	.15
Lignosulfonate, 70% tannin, bgs., c.l., works	lb.	.06½	—
l.c.l., works	lb.	.06¾	—
Lime, chemical (quicklime), bulk, c.l., metropolitan N. Y. destination, freight equalized with nearest producing point	ton	18.71	—
Hydrated, bulk, c.l., same basis.	ton	20.21	—
Spray, bgs., c.l., same basis	ton	23.21	—
Lime salts (see Calcium).			
Lime-ammonium nitrogen 20.5% N (see Ammonium nitrate with dolomite).			
Limestone grd., bgs., works	ton	3.50	4.00
Linalool, ex bois de rose oil, dms.	lb.	3.65	4.80
ex lignaloe wood oil, dms	lb.	5.30	7.10
Linalyl acetate, ex bois de rose, 90-92%, dms	lb.	3.30	5.10
96-98%, dms	lb.	4.05	6.75
ex petitgrain, bots	lb.	4.80	5.90
Lindane, 25% formulation, dealers, dms., frt. alld	lb.	1.00	1.09
99%, tech., formulators, dms., frt. alld	lb.	2.65	3.25
Linden flowers with leaves, bls	lb.	.30	—
without leaves, bls	lb.	.35	—
Linseed meal, expeller, 32-34% bulk, Midwest, mills	ton	62.50	—
extracted, 36% bulk same basis	ton	55.00	55.50
Litharge, coml., powd., bbls., c.l., works, frt. equald	lb.	.18	—
l.c.l., same basis	lb.	.19	—
Lithium benzoate, dms	lb.	1.65	1.67
Bromide, NF, dms., works, frt. equald	lb.	2.45	—
Carbonate, NF, dms., c.l., t.l., dlvd	lb.	1.29½	—
ton lots to t.l., dlvd	lb.	1.30	—
tech., dms., c.l., t.l., dlvd., frt. alld, works	lb.	.22	1.10½
l.c.l., same basis	lb.	.85	1.11⅛
Chloride, CP, anhyd., ton lots	lb.	1.28½	—
tech., anhyd., dms., c.l., t.l., dlvd., or works, frt. alld.	lb.	1.00	1.05
l.c.l., same basis	lb.	1.05	1.05⅛
Citrate, NF, dms	lb.	1.60	1.64
Fluoride, bbls., 10,000-lb. lots, dlvd	lb.	2.17½	—
ton lots, dlvd	lb.	2.18½	—
less ton lots, dlvd	lb.	2.23½	—
Hydride powd., dms., 500-lots, works	lb.	10.50	12.50
Hydroxide, monohydrate, dms., c.l., t.l., dlvd or works, frt. alld	lb.	.80	.80½
l.c.l., same basis	lb.	.81	.81½
Manganite, dms., works	lb.	.95	1.15
Nitrate, tech., dms., 100-lb. lots	lb.	1.25	—
Lithium salicylate, dms	lb.	1.60	1.70
Silicate, dms., works	lb.	1.10	1.30
Stearate, dms., c.l., works	lb.	.47½	—
ton lots, works	lb.	.48½	—
less-ton lots, works	lb.	.53½	—
Sulfate, dms., 100-lb. lots	lb.	1.15	—
Titanate dms., works	lb.	1.15	1.35
Lithopone, ord., bgs., c.l., dlvd. E.	lb.	.08	—
l.c.l., dlvd. E	lb.	.08¾	—
Lobelia herb, bls	lb.	1.50	—
Lobeline sulfate, bots., works	oz.	37.50	39.00
Logwood extract, cryst. No 1, bbls., l.c.l	lb.	.41	—
No. 2, bbls., l.c.l.	lb.	.39	—
liq., No. 1, bbls., l.c.l.	lb.	.20	—
No. 2, bbls., l.c.l	lb.	.19	—
No. 3, bbls., l.c.l	lb.	.18½	—
solid No. 1, boxes, c.l.	lb.	.35	—
Lycopodium, cs	lb.	1.20	2.00
dl-Lysine hydrochloride, bots	kilo	140.00	150.00

M

Mace, Siauw, siftings, bls	lb.	2.50	2.80
West Indian, No. 1, bls. shipment	lb.	3.15	3.25
Magnesia, calcined, tech., bgs., ctns., works	lb.	.25¼	.26
syn. rubber grade, light, bgs., c.l., works	lb.	.29¼	—
extra light, bgs., c.l., works.	lb.	.29¼	.30
l.c.l., works	lb.	.30	—

EXPLORING NEW TERRITORY?

...Hydroxylamine salts* may apply in your field

For synthesis—
Hydroxylamine salts may be used to make oximes, hydroxamic acids, and numerous intermediates. They are useful for preparation of anti-skinning agents, anti-rusting agents, and pharmaceuticals.

As acid-stable reducing agents—For metallic ions such as ferric, cupric, silver, and for nonmetallics such as dyes, peroxides, and nitrites. These compounds are useful in purification processes, dyeing of acrylic fibers and as a short-stopper for catalyzed polymerization reactions.

As oxidizing agents—
This is new territory that needs exploring. Hydroxylamine salts are probably mild oxidizing agents.

Effects on proteins and biological systems—
Hydroxylamine salts inhibit enzymes such as catalase, harden gelatine . . . derivatives are good fungicides and bactericides. For the most part, this is a poorly explored area suitable for intensive experimentation.

***Hydroxylammonium Acid Sulfate**
$NH_2OH \cdot H_2SO_4$
Hydroxylammonium Sulfate
$(NH_2OH)_2 \cdot H_2SO_4$
Hydroxylammonium Chloride
$NH_2OH \cdot HCl$

Already known for their wide range of utility, these nitroparaffin derivatives may find dramatic uses from future research. Their potential applications for experimentation are almost unlimited.

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Name_____ Title_____
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Magnesia, calcined, USP, light, ctns. lb. .35 • .36
heavy, bbls. lb. .45 • .52
Magnesite, chemical grade, calcined, powd., bgs., c.l., works, frt. equald. ton.82.50 • —
dead-burnt, standard grain, bulk, c.l., Chawelah, Wash. ton.40.00 • —
Magnesium bromide, jars lb. .90 • 1.00
Carbonate, tech., bgs., c.l., frt. equald lb. .10¼- —
l.c.l., frt. equald lb. .12 • .13
truckloads, frt. equald lb. .11 • —
USP, bgs., c.l., frt. equald lb. .12½- —
t.l. frt. equald lb. .13 • —
l.c.l. frt. equald lb. .14 • .15

Above prices are quoted f.o.b. works, freight equalized with metropolitan New York and competitive producing points.

Chloride, anhyd., 92% flake or pebble, dms., c.l., works lb. .12¾- —
l.c.l., same basis lb. .14 • .15
hydrous, 99% flake, bgs., c.l., works ton.55.00 • —
l.c.l., works ton.65.00 -80.00
Gluconate, dms., cns lb. 1.34 • 1.41
Hydroxide, NF, medicinal, bbls., dms., kgs lb. .26½- .30
Metal, 99.8% ingots, 10,000 lb. lots or more, works lb. .34½- —
pigs, 10,000-lb. lots or more, works lb. .33¾- —
sticks, cs., works, frt. alld. on carlots lb. .56 • —
Nitrate, cryst., dms., works lb. .29 • —

Magnesium oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works lb. 1.00 • 1.05
Phosphate, tribasic, NF, bbls. lb. .75 • —
Silicate (see Talc).
Silicofluoride, dms., works lb. .10½- .12
Sulfate, tech., bgs., c.l., works. 100 lbs. 2.15 • —
l.c.l., works 100 lbs. 2.90 • 3.15
USP, cryst., bgs., c.l., works. 100 lbs. 2.35 • —
l.c.l., 5,000 lbs., 1 withdrawal 100 lbs. 3.10 • —
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Trisilicate, USP, dms., 5,000-lb. lots lb. .38 • —
1,000-lb. lots lb. .40 • —
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Bulky and super grades of magnesium trisilicate, 7c. per lb. higher.

Malathion, dms., c.l., works lb. .90 • —
l.c.l., works lb. .92 • 1.02
Maleic anhydride, dms., c.l., dlvd. E lb. .27 • —
l.c.l., dlvd. E lb. .28 • —
tanks, dlvd. E lb. .26 • —

Prices on maleic anhydride W. of Rockies, 1½c. higher.

Mandrake root, bls lb. .55 • .60
Manganese acetate, bbls., dlvd lb. .35 • —
Arsenate, bgs lb. .16 • —
Borate, tech., fib. dms lb. .27 • —
Carbonate, bbls., works lb. .22 • —
Chloride, anhyd., dms., works lb. .25½- —

Manganese dioxide, African, 84-87%, 40,000 to 99,999-lb. lots, burlap paper lined, bgs., gross for net, works ton.102.00 • —
paper bgs., works ton.98.50 • —
dms., works ton.106.50 • —

Prices for manganese dioxide in 10,000 to 40,000-lb. lots $3 per ton higher.

Gluconate, dms lb. 1.80 • 1.94
Hydrate, bbls., dlvd lb. .36 • —
Hypophosphite, NF, dms lb. 3.52 • —
Linoleate, liq., 4.35% Mp, dms lb. .32½- —
solid, precip., 8.2% Mn, bbls. lb. .37½- —
Naphthenate, liq., 6% Mn., dms., frt. alld lb. .27 • —
Resinate, fused, 3½% Mn, dms. lb. .24 • —
precip., 6½-7% Mn, dms lb. .28 • —
Sulfate, fertilizer grade, 65%, bgs., c.l., dlvd. S. E. ton.80.50 • —
l.c.l., dlvd. S. E. ton.87.50 • —
Tallate, 6%, dms lb. .24 • —
Mangrove bark, E. African, 38% tannin, c.l., ex dock ton.66.00 • —
So. American 30% tannin, c.l., ex dock ton.55.00 -58.00
Mannitol, com'l, fib. dms., ton lots, works lb. .60 • —
dms. to ton lots, works lb. .62 • —
single dm., works lb. .65 • —
MBTS (see Mercaptobenzothiazyl disulfide).
MBT (see 2-Mercaptobenzothiazole).
Melamine, bgs., c.l., works lb. .30 • —
l.c.l., works lb. .31 • —
Menadione, USP, bots gram. .044 • .05
Menthol, nat., USP, Brazilian, cs. lb. 6.30 • 6.40
syn., USP, racemic, cns lb. 4.95 • —
Menthyl salicylate, tins lb. 4.00 • 4.25
2-Mercaptobenzothiazole, bgs., fib. dms., ton-lots, works, frt. alld lb. .40 • —
less ton lots, same basis lb. .42 • —

Mercaptobenzothiazyl disulfide, bgs., fib. dms., ton-lots, works, frt. alld lb. .50 • —
less ton lots, same basis lb. .52 • —
Mercuric chloride, NF, cryst., dms., 50-lb. lots or more lb. 4.98 • —
gran., or powd., dms., 50-lb. lots or more lb. 4.78 • —
Cyanide, NF VIII, powd., fib. dms. lb. 6.84 • —
Iodide, red, NF, fib. dms lb. 7.72 • —
Oxide, red, NF, powd., fib. dms lb. 5.97 • 6.01
yellow, tech. (see Yellow, mercury oxide).
USP, fib. dms lb. 6.14 • —
Mercurous chloride (see Calomel).
Iodide, yellow, NF lb. 7.72 • —
Mercury, ammoniated (see White precipitate, USP).
Metal, 76 lb. per flask net-flask.255.00 -257.00
Mesityl oxide, dms., c.l., dlvd lb. .14 • —
l.c.l., dlvd lb. .15 • —
tanks, dlvd lb 1150- —
Meta-aminophenol (see m-Aminophenol).
Metachloroaniline (see m-Chloroaniline).
Metanitroaniline (see m-Nitroaniline).
Metanitroparatoluidine (see m-Nitro-p-toluidine).
Metaphenylenediamine (see m-Phenylenediamine).
Metatoluidine (see m-Toluidine).
Metatolylenediamine (see 2,4-tolylenediamine).
Methanol, nat., denaturing grade, tanks, frt. alld gal. .75 • —
syn., Zone 1, dms., c.l., dlvd., or truckload min., frt. alld. gal. .45 • —
l.c.l., same basis gal. .51 • —
tankwagon, 2,000-4,000 gal. lots, dlvd. Metropolitan area gal. .33 • —
4,000 gal., min., frt. alld. or dlvd gal. .30 • —
4,000 gal., min., works, Carteret, Camden, N. J gal. .27½- —
Zone 2, dms., c.l., or truckload min. frt. alld. or dlvd. gal. .48 • —
l.c.l., same basis gal. .54 • —
tankwagon, 2,000-4,000-gal. lots, min., dlvd. Metropolitan areas gal. .36 • —
tanks, 4,000 gal., min., frt. alld. or dlvd gal. .33 • —

Synthetic methanol zones are:—Zone 1 is all continental U. S. E. of eastern boundaries of Ariz., Idaho and Utah. Zone 2 is remainder of U. S. west of above state boundaries comprising Ariz., Calif., Idaho, Nev., Ore., Utah and Wash.

Methenamine (see Hexamethylenetretramine).
dl-Methionine, fib. dms., frt. alld. 50-lb. or more lb. 3.50 • —
feed grade, 98%, fib. dms., same basis lb. 2.65 • —
Methoxychlor, 50% wettable powder, dealers, dms., cs., frt. alld lb. .61 • .64
Methyl abietate, non-ret. dms., c.l., dlvd. zone 1 lb. .20½- —
l.c.l. same basis lb. .21 • —
hydrogenated, non-ret., dms., c.l., dlvd. Zone 1 lb. .21 • —
l.c.l., same basis lb. .21½- —

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn.; St. Louis, Mo.; Miss., Ala., Ga., Fla., S. C. and Tenn.

Acetone, nat., dms., l.c.l., E. of Miss., frt. alld gal. .62½- —
syn., dms., c.l., frt. alld. E gal. .63½- —
l.c.l., frt. alld. E lb. .69½- —
tanks, frt. alld. E gal. .48½- —

Synthetic methyl acetone E. territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory all states west of those four.

Acrylate, dms., c.l., t.l., dlvd. lb. .39 • —
l.t.l., dlvd lb. .40 • —
tanks, dlvd lb. .37 • —
Alcohol (see Methanol).
Amyl acetate, dms., c.l., dlvd. E. lb. .16 • —
l.c.l., dlvd. E lb. .17 • —
tanks, dlvd. E lb. .13½- —
Ketone, dms., works lb. 1.05 • —
Anthranilate, cns lb. 2.35 • 2.65
Benzoate, cns., dms lb. .60 • .75
Bromide, jobbers, cyls., various sizes, frt. alld. E lb. .47 • .61
Cellulose, special vis. (1,500-4,000 cps.) 50-lb. bgs., c.l., works. lb. .78 • —
2,000-lb. lots and more, same basis lb. .65 • —
smaller lots, frt. alld. on 100 lbs. lb. .89 • 1.00
standard vis., (15,400 cps.), 50-lb. bgs., c.l., frt. alld. lb. .60 • —
2,000-lb. lots and more, same basis lb. .72 • —
smaller lots, frt. alld. on 100 lbs. lb. .75 • .83
Chloride, indust., cyls., frt. equald. lb. .22 • —
tanks, multi-unit, same basis. lb. .15¾- —
single unit, same basis lb. .12 • —
refrigerator mfrs., cyls., dlvd. lb. .46 • .48
other consumers or service men, cyls., dlvd. lb. .67 • —
Chloroform (see 1,1,1-trichloroethane).
Cinnamate, cns lb. 1.55 • 1.80
Cyclohexanol, dms., c.l., works lb. .35½- —
l.c.l., works lb. .36 • —
tanks, works lb. .34 • —
Ethyl ketone, dms., c.l., dlvd. lb. .14 • —
l.c.l., dlvd. lb. .15 • —
tanks, dlvd lb. .11½- —
Formate, refd., dms lb. .35 • .40
tech., non-ret. dms., any quantity, works lb. .10 • —
Heptin carbonate, bots lb. 31.00 -42.00
p Hydroxybenzoate, fib. dms lb. 1.90 • 2.00
Ionone, standard, cns., dms. lb. 5.00 • 5.25
Isobutyl carbinol, dms., c.l., dlvd. lb. .16 • —
l.c.l., dlvd. lb. .17 • —
tanks, dlvd lb. .13½- —
Ketone, dms., c.l., dlvd lb. .16 • —
l.c.l., dlvd lb. .17 • —
tanks, dlvd lb. .13½- —
Methacrylate, dms., c.l., t.l., frt. equald. with Belle, W. Va. lb. .31 • —
smaller lots, same basis lb. .31½- —
tanks, same basis lb. .29 • —
Naphthyl ketone, cryst., cns. lb. 3.00 • 4.30
Parahydroxybenzoate (see Methyl p-Hydroxybenzoate)
Roseaniline chloride, NF, fib. dms., 5-lb. lots lb. 5.64 • —
Salicylate, USP, cns., 500-lb. lots lb. .59 • —
Testosterone, USP, 100-gram bots. gram. .68 • —
3-Methylbenyzlamine, dms., l.c.l., works lb. 1.25 • —
2-Methylbenzyl dimethylamine, dms., c.l., works lb. 1.89 • —
l.c.l., works lb. 1.90 • —
2-Methyl-5-ethyl pyridine dms., c.s., works lb. .445 • —
l.c.l., works lb. .45 • —
tanks, works lb. .43 • —
Methylene blue, fib. dms., 100-lb. lots, frt. adjusted lb. 3.25 • 3.40
smaller lots, same basis lb. 3.40 • 3.55

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larger production
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MAGNESIA COMPOUNDS

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applications

NEW PLANT FACILITIES provide industry with more types and volume of magnesia compounds . . . used as fillers, extenders . . . for conditioning, chemical or physical agents . . . and for many other purposes in a wide range of products. Continuing twenty years of high-quality chemical production from superlative Michigan natural brines, Michigan Chemical Corporation can now supply your added requirements for the best in magnesia compounds . . . whether your business is textiles, rubber, chemicals, refractories, insulation, ceramics or fertilizer blending.

TYPICAL ANALYSES OF MICHIGAN MAGNESIA COMPOUNDS

	No. 1 Calcined Magnesite	No. 5 Calcined Magnesite	No. 15 Calcined Magnesite	No. 30C Light Calcined Magnesia	No. 40 Extra Lt. Calcined Magnesia	Basic Magnesium Carbonate	(NF Grade) Magnesium Hydroxide	(Tech. Grade) Magnesium Hydroxide
Bulk density, weight per cubic foot	60 lb.	28 lb.	24 lb.	8½ lb.	5 lb.	5.5 lb.	15 to 25 lb.	app. 20 lb.
Ignition loss:	0.5%	1.5%	2.5%	1.9%	3.0%	56.5%	PASSES N. F. IX SPECIFICATIONS	31.4%
Chloride (as Cl):	0.08	0.1	0.2	0.25	0.25	0.1		
Analysis, ignited basis:						NOT IGNITED		NOT IGNITED
SiO_2	0.3	0.3	0.3	0.3	0.3	0.15		0.20
Fe_2O_3	0.2	0.2	0.2	0.2	0.2	0.08		0.15
Al_2O_3	0.2	0.2	0.2	0.2	0.2	0.08		0.15
CaO	1.0	1.0	1.0	1.0	1.0	0.7		0.7
Mn				0.01	0.01	0.00		
Free Moisture						1.5		2.0
Screen test: Through 200 mesh		95%		99.9%	99.9%	99.99%	99.0%	99.0%
Screen test: Through 325 mesh			99.5%	99.5%	99.5%	99.5%		

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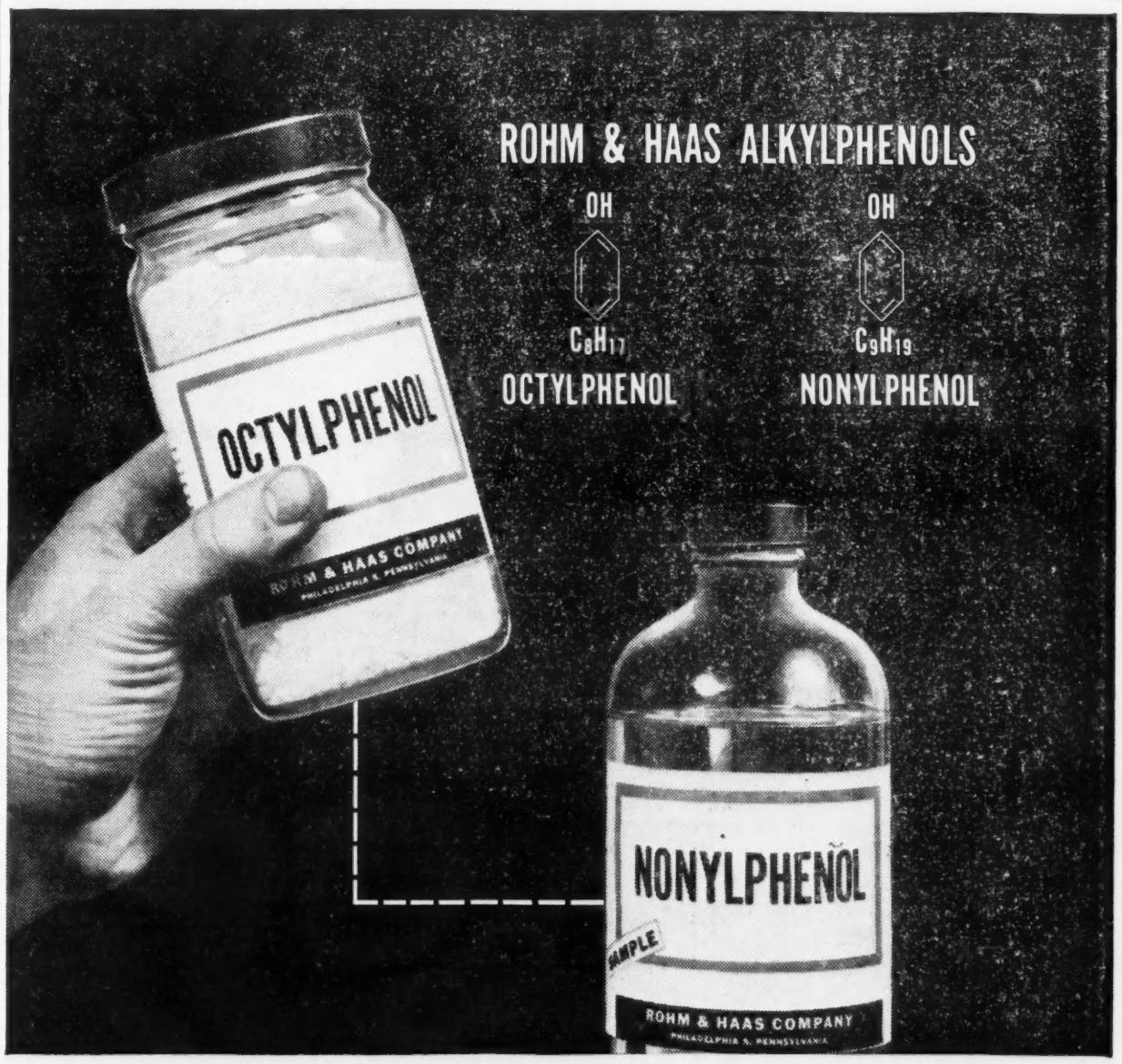
Methylene chloride, tech., dms., c.l., dlvd. E	lb.	.13¼	—
l.c.l., same basis	lb.	.16	—
tanks, same basis	lb.	.11¾	—
b-Methylnaphthalene, 32°C. m.p., dms., works	lb.	.90	—
Methylpentanediol (see Hexylene glycol).			
Methylphenylpyrazolone (see 1-Phenyl-3-methylpyrazolone-5).			
Methylthionine chloride (see Methylene blue).			
Mica, dry-grd., paint plastic, 100 mesh, bgs., c.l., works	lb.	.04	—
roofing, 20 to 80 mesh, works	lb.	.03	—
wet-grd., biotite, bgs., c.l., works, frt. alld. E	lb.	.06½	—
l.c.l., ex-whse	lb.	.07¼	—
paint or lacq., bgs., c.l., 325 mesh, works, frt. alld. E	lb.	.08¼	—
l.c.l. ex-whse. or frt. alld. E	lb.	.09	—
rubber, bgs., c.l., works, frt. alld. E	lb.	.08	—
l.c.l., ex-whse. or frt. alld. E	lb.	.08¾	—
wallpaper, bgs., c.l., works, frt. alld., E	lb.	.08¼	—
l.c.l., ex-whse. or frt alld. E	lb.	.09	—
white, 5-10 microns, bgs., c.l., works, frt. alld. E	lb.	.08¼	—
l.c.l., ex-wnse or frt. alld. E	lb.	.09	—
Mica, wet-grd. W. of Miss. ½c. higher; W of Rockies, 1c. higher			
Mineral spirits (see Petroleum mineral spirits).			
Molasses, blackstrap feed grade, tanks, New Orleans	gal.	.16	.16½
New York	gal.	.17	.17½
Molybdenum (metal), powd., 80 or 200 mesh, ctns., works	kilo.	7.84	—
325 mesh, ctns., works	kilo.	9.13	—
Trioxide, pure, dms., works	lb.	1.10	—
tech., dms., works, basis Mo. content	lb.	1.31	—
Monobutylamine, dms., c.l., E. of Rockies	lb.	.55½	—
l.c.l., same basis	lb.	.56½	—
tanks, same basis	lb.	.53	—
Monochlorobenzene, dms., c.l., frt. alld. or dlvd. E	lb.	.10	—
l.c.l., same basis	lb.	.11	—
tanks, same basis	lb.	.08¼	—
Monoethanolamine, dms., c.l., dlvd. E	lb.	.27½	—
l.c.l., same basis	lb.	.28½	—
tanks, same basis	lb.	.25	—
Monoethylalphanaphthylamine (see N-Ethyl-a-naphthylamine).			
Monoethylamine, 70% contained amine, dms., c.l., dlvd. E	lb.	.37½	—
l.c.l., dlvd. E	lb.	.38½	—
tanks, dlvd. E	lb.	.35	—
Monoethylaniline (see N-Ethylaniline).			
Monoethylorthotoluidin (see N-Ethyl-o-toluidine).			
Monoisopropanolamine, dms., c.l., dlvd. E	lb.	.27½	—
l.c.l., same basis	lb.	.28½	—
tanks, same basis	lb.	.25	—
Monoisopropylamine, dms., c.l., dlvd.	lb.	.32½	—
l.c.l., same basis	lb.	.33½	—
tanks, same basis	lb.	.30	—
Monomethylamine, 30-35% soln., dms., c.l., frt. equald, 100% basis.	lb.	.40	—
l.c.l., frt. equald 100% basis.	lb.	.40½	—
tanks, frt. equald 100% basis.	lb.	.31	—
40% soln., dms., c.l., frt. equald, 100% basis	lb.	.37	—
l.c.l., frt. equald, 100% basis.	lb.	.37½	—
tanks, frt. equald, 100% basis.	lb.	.31	—
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic).			
Mono-tertiary-butylmetacresol (see 6-tert-Butyl-m cresol)			
Glutamate (see Sodium glutamate monobasic).			
Phosphate (see Sodium phosphate monobasic).			
Morphine, cns	oz.	12.40	-12.60
Acetate, anhyd., cns	oz.	9.95	-10.00
Hydrobromide, cns	oz.	9.90	- 9.95
Hydrochloride, NF, cns	oz.	9.90	- 9.95
Sulfate, USP, cns	oz.	9.90	-10.05
Morpholine, dms., c.l., dlvd E	lb.	.55¼	—
l.c.l., dlvd E	lb.	.56¼	—
tanks, dlvd E	lb.	.52¾	—
Musk, syn., ambrette, 100-lb. lots, fib. dms.	lb.	4.45	- 5.15
25-lb. lots, cns	lb.	5.05	- 5.65
5-lb. lots, cns	lb.	5.20	- 5.50
ketone, 100-lb. lots, fib. dms.	lb.	4.70	- 5.30
25-lb. lots, cns	lb.	5.35	—
5-lb. lots, cns	lb.	5.45	—
xylol, 100-lb. lots, fib. dms.	lb.	1.40	—
25-lb. lots, cns	lb.	1.45	—
5-lb. lots, cns	lb.	1.50	—
Mustard seed, Danish, yellow, bgs	lb.	.10½	—
Dutch, bgs.	lb.	.10½	—
English, yellow, bgs.	lb.	.11	—
Montana, oriental, bgs.	lb.	.09	—
Yellow, bgs.	lb.	.10½	—
Myrobalans, J-1, genuine, bgs., ex-dock	ton.	64.00	-65.00
crushed, bgs., ex dock	ton.	79.00	-80.00
Bombay, bgs., ex dock	ton.	61.00	-62.00
Extract, Indian, solid, 55% tannin, bgs., ex dock, plus duty	lb.	.10	- .10¼

N

Naphtha, painters (see Petroleum naphtha V. M. & P.).			
Solvent (see S)			
Naphthalene, crude, dom., 74°, tanks, frt. equald.	lb.	.06¼	—
78°, bgs., c.l., same basis	lb.	.07½	.08
l.c.l., same basis	lb.	.07¾	.08¼
tanks, same basis	lb.	.07	—
imp., 78°, bgs., large lots	lb.	.05	Nom.
refd., indust., chipped, crushed, bgs., frt. equald.	lb.	.12½	—
tanks, same basis	lb.	.11¾	—
balls, flakes, wholesalers, jobbers, bbls., c.l., same basis.	lb.	.15½	—
cs., 50 lbs., c.l., same basis	lb.	.15¾	—
1-lb. pkgs., c.l., same basis.	lb.	.18½	—
a-Naphthol, bbls., frt. alld.	lb.	1.00	—
b-Naphthol, tech., flake, bbls., c.l., works	lb.	.33	—
l.c.l., works	lb.	.35	—
Benzoate, fib. dms., works	lb.	3.00	—
custom contract, works	lb.	1.65	—
Salicylate, dms.	lb.	5.00	—
Sulfate, cns	lb.	35.00	—
a-Naphthylamine, bbls., frt. alld.	lb.	.50	—
b-Naphthylamine, tech., flake, bbls., works	lb.	1.60	—
Neocinchophen, USP, dms., frt. adjusted.	lb.	7.00	- 8.00
Neomycin, fib. dms., 1 kilo lots, basis, activity	gram.	.45	—
500-999 gram lots, basis, activity.	gram.	.50	—
Nerolin, cns	lb.	2.45	- 2.65
Niacinamide (see Nicotinamide).			
Nickel acetate, bbls., dlvd.	lb.	.77	- .90½
Carbonate bbls., dlvd.	lb.	.73¾	- .81¾
Chloride, bbls., dlvd.	lb.	.38½	- .46½
Formate, bbls., ton lots, frt. alld	lb.	.68	- .69
Metal, electro cathodes, cs., works	lb.	.64½	—
Nitrate, bbls., works	lb.	.37	- .38
Oxide, black, bbls	lb.	.76	—
green bbls.	lb.	.76	—
Sulfate, bgs., c.l., dlvd.	lb.	.30¼	—
l.c.l., dlvd.	lb.	.31¼	- .38¼
Nicotinamide, USP, dms., frt. adjusted	kilo.	12.00	-12.30
Hydrochloride, dms., frt. adjusted.	kilo.	11.50	-11.80
Nicotine sulfate, 40%, dealers, 50-lb. dms., frt. alld.	lb.	1.20	—
manufacturers, 500-lb. dms., frt. alld.	lb.	1.05	—
Niger seed, bgs.	lb.	.12	- .12½
Nikethamide, cbys.	lb.	7.50	—
m-Nitroaniline, cryst., dms., frt. alld.	lb.	1.15	—
paste, dms., frt. alld., 100% basis.	lb.	1.10	—
o-Nitroaniline, flaked, dms., t.l., frt. alld.	lb.	.49	—
l.t.l., frt. alld.	lb.	.51	—
p-Nitroaniline, dms., frt. alld.	lb.	.445	—
Nitrobenzene, dbl. dist., dms., c.l., frt. alld.	lb.	.12	—
l.c.l., frt. alld.	lb.	.13	—
tanks, frt. alld.	lb.	.11	—
Nitrocellulose, ester-soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80, 125-175, secs., bbls., c.l., works	lb.	.34	—
l.c.l., same basis	lb.	.35	- .37
18-25 cps., bbls., c.l., same basis	lb.	.36	—
l.c.l., same basis	lb.	.37	- .39
250-400, 600-1,000 secs., bbls., c.l., same basis	lb.	.39	—
l.c.l., same bassi	lb.	.40	- .42
Spirit-soluble, 30-35 cps., ¼, ½, secs., bbls., c.l., same basis	lb.	.41	—
l.c.l., same basis	lb.	.42	- .44
5-6 cps., 40-60 secs, bbls., c.l., same basis	lb.	.40	—
l.c.l., same basis	lb.	.41	- .43
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra but returnable.			
o-Nitrochlorobenzene, dms. c.l., frt. alld	lb.	.15	—
l.c.l., same basis	lb.	.16	—
tanks, same basis	lb.	.13	—
p-Nitrochlorobenzene, dms	lb.	26	.27
2-Nitro-4-chlorophenol, dms	lb.	75	—
Nitroethane, dms., c.l., dlvd. E	lb.	.24	—
l.c.l., dlvd. E	lb.	.24¾	—
tanks, dlvd. E	lb.	.22½	—
Nitroethane prices West of Rockies are 1c. higher.			
Nitrogen solutions, tanks, frt. equald.	unit-ton.	1.10	—
Nitrogenous process tankage, bulk, works	unit-ton.	3.00	4.00
Sewage sludge, bulk, works, July, August	unit-ton.	2.75 +	.50
After September 1	unit-ton.	2.95 +	.50
Nitromethane, dms., c.l., dlvd. E	lb.	.24	—
l.c.l., dlvd. E	lb.	.24¾	—
tanks, dlvd. E	lb.	.22½	—
Nitromethane prices West of Rockies are 1c. higher.			
a-Nitronaphthalene, bbls., frt. alld.	lb.	41	—
Nitropropane-1, and -2, dms., c.l., dlvd. E	lb.	.22½	—
l.c.l., dlvd. E	lb.	.23¼	—
tanks, dlvd. E	lb.	.21	—
Nitropropane prices West of Rockies are 1c. higher.			
o-Nitropnenol, dms. works, frt equald	lb.	.94	—
p Nitrophenol, dms., frt. alld., c.l.	lb.	.51	—
l.c.l.,	lb.	.53	—
o-Nitrotoluene, dms. c.l., frt. alld	lb.	.10	—
l.c.l. frt alld	lb.	.11	—
tanks, frt alld	lb.	.09	—
m-Nitro-p-toluidine, dms	lb.	1.59	—
Nitrous ether, conc. bots 100-lb. lots	lb.	1.28	1.35
Nonyl phenol, dms. c.l., frt. alld.	lb.	.23½	—
l.c.l., frt. alld.	lb.	.27½	—
tanks, frt. alld.	lb.	.24½	—



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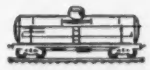
Low Cost Intermediates



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These alkylphenols are also logical intermediates in making non-ionic wetting agents and emulsifiers, detergent oil-additives, fungicides, rubber chemicals, corrosion inhibitors, and pharmaceuticals. They're available in tank cars and carloads. Write Department SP today for more information.

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Nutgalls, Aleppo, bgs ..... lb. .36 - .38
Chinese, bgs. ..... lb. No prices.
Nutmeg, East Indian, bgs ..... lb. .95 - —
West Indian, bgs ..... lb. .95 - —
Nux vomica, bls ..... lb. .10 - .12
powd., bbls., bxs ..... lb. .15 - .17

O

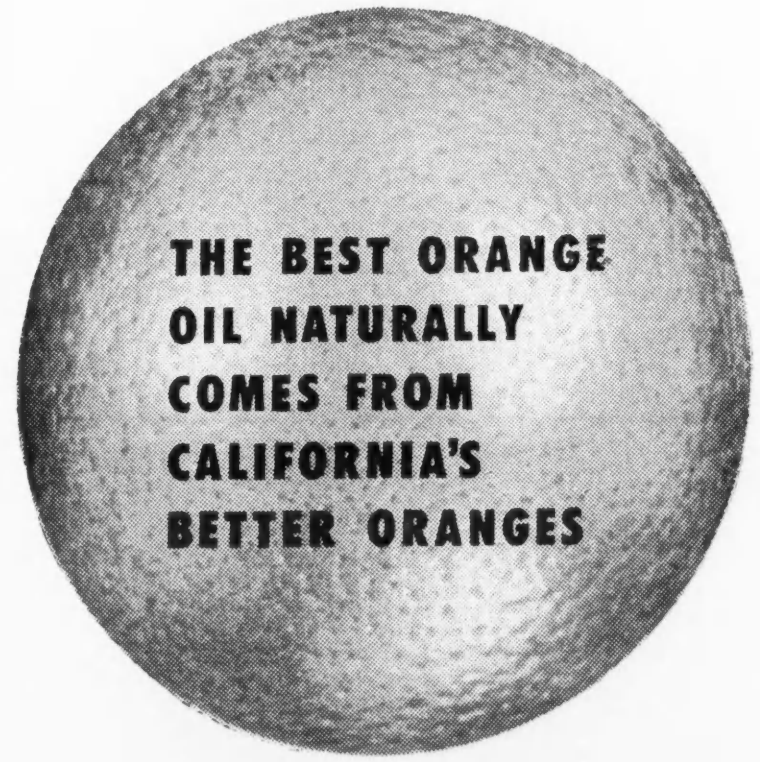
Octane, indust., tanks, Bayonne, N. J ..... gal. .19 - —
Baytown, Tex ..... gal. .15¾- —
Borger, Tex ..... gal. .15¾- —
l-Octanol, tech., dms., c.l., dlvd. ..... lb. .35 - —
l.c.l. dlvd ..... lb. .37 - —
tanks, dlvd ..... lb. .32½- —
Octyl phenol, bgs., c.l., works ..... lb. .24 - —
l.c.l., works ..... lb. .24½- —
tanks, works ..... lb. .23 - —
Drum prices for octyl phenol are 11c. higher.

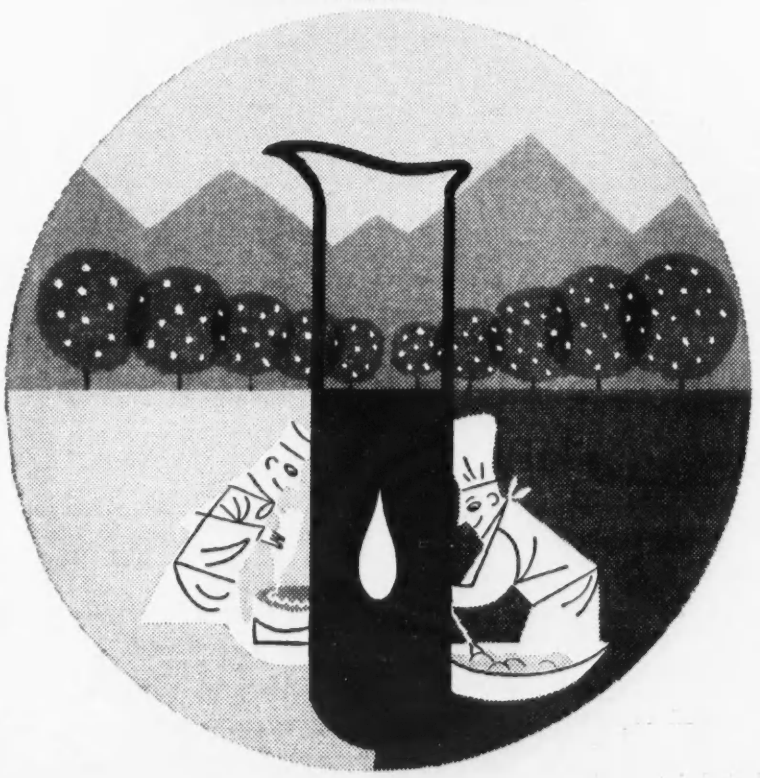
(Essential oils prices listed below are f.o.b. New York, with differences between high and low quotations due to differences in quantity, quality or in individual suppliers, views.)

Oil, abies, siberica, cns ..... lb. 3.05 - 3.35
Almond, artif., bitter (see Benzaldehyde).
nat., bitter, F.P.A., bots ..... lb. 3.00 3.75
NF, bots. ..... lb. 3.25 3.75
sweet, USP, cns., dms ..... lb. 1.25 - —
Oil, allspice (see Oil, pimento).
Amyris, dms. ..... lb. 1.25 - —
Angelica root, bots ..... lb. 66.00 -100.00
seed, bots ..... lb. 56.00 -95.00
Aniline (see A).
Anise, USP, dms ..... lb. 3.50 - 4.00
Apricot, kernel, USP, dms ..... lb. .48 - .65
Avocado, cns. ..... lb. 3.25 - —
Bay, NF, Puerto Rican, 50-55%, cns ..... lb. 2.15 - 3.00
55-60%, cns ..... lb. 2.50 - 3.00
West Indian, 50-55%, cns., dms., ... lb. 1.85 2.40
Bergamot, nat., NF, Italian, cns. ..... lb. 9.75 -11.00
Birchtar, crude, cns ..... lb. 1.30 - 1.90
rectified, NF, cns ..... lb. 1.75 - —
Bois de rose, Brazil, dms. ..... lb. 2.80 - —
Mexican (see Oil, lignaloe wood).
Bone, dms., works ..... lb. .65 - .70
Cajeput, native, cns ..... lb. 1.75 - 3.30
redist., USP, cns ..... lb. 2.25 - 3.40
Calamus, bots ..... lb. 12.00 -20.00
Camphor, sassafrassy, dms. ..... lb. .30 - .45
white, dms ..... lb. .29 - —
Cananga, native, cns ..... lb. 8.50 - 8.75
rectified, cns ..... lb. 10.00 -13.00
Caraway, NF, cns ..... lb. 3.50 - —
Capsicum (see Capsicum oleoresin.
Cardamom, NF, bots ..... lb. 38.00 -40.50
Cassia, USP (see Oil, cinnamon, USP).
Castor, blown, dms., c.l ..... lb. .2500- —
l.c.l. ..... lb. .2600- —
dehydrated, bodied, dms., c.l ..... lb. .2610- —
l.c.l. ..... lb. .2710- —
tanks ..... lb. .2410- —
Oil, castor, dehydrated, unbodied, dms., c.l ..... lb. .2460- —
l.c.l. ..... lb. .2560- —
tanks ..... lb. .2260- —
hydrogenated, bgs., c.l., dlvd ..... lb. .25¾- —
l.c.l., dlvd. ..... lb. .31¾- —
No. 3, tech., dms., c.l. ..... lb. .19¼- —
l.c.l. ..... lb. .20¼- —
tanks ..... lb. .17¼- —
No. 1, Brazilian, tanks ..... lb. .18¼- —
USP, dms., c.l. ..... lb. .23 - —
l.c.l. ..... lb. .24 - —
tanks ..... lb. .21 - —
refd. and deodorized, dms., c.l ..... lb. — - —
l.c.l. ..... lb. .28½- —
tanks ..... lb. — - —
sulfonated, 50%, dms., works. ..... lb. .13½- .14½
75%, dms., works ..... lb. .17½- .18½
Cedarleaf, USP, XIII, cns., dms. ..... lb. 3.50 - 3.90
Cedarwood, cns., dms ..... lb. .75 - 1.00
Celery seed, bots ..... lb. 8.00 -20.00
Chamomile, blue, Hungarian, bots. ..... lb. 190.00-195.00
Chenopodium, NF, cns. ..... lb. 3.50 - 4.05
Chinawood (see Oil, tung).
Cinnamon, bark, bots ..... lb. 36.00 -70.00
leaf, crude, dms ..... lb. 1.60 - 2.00
USP, cns., dms. (Cassia) ..... lb. 10.25 -10.90
Citronella, Ceylon, cns., dms ..... lb. .88 - —
Java, cns. ..... lb. 1.95 - —
Java-type, cns. ..... lb. 1.55 - —
Clove, bud, USP, cns., dms ..... lb. 1.65 - 1.90
leaf, crude, dms ..... lb. 1.20 - 1.50
Coconut, crude, tanks, N. Y. ..... lb. .11¾- —
Pac. coast ..... lb. .10⅜- —
refd., Cochin type, dms., tax incl., ... lb. .20½- .21½
deodorized, tax incl., dms ..... lb. .22 - .23
Cod, Newfoundland, dms. ..... lb. .12 - .12½
Codliver, USP, dms ..... gal. 1.45 - 1.55
Oil, copaiba, cns ..... lb. 1.75 - 2.50
Coriander, USP, bots ..... lb. 11.75 - —
Corn, crude, tanks, works ..... lb. .12⅛- —
foots (soapstock), acid 95%, tanks, N. Y. ..... lb. .06 - —
refd., salad, dms ..... lb. .17¾- .18¼
tanks ..... lb. .15½- —
Costus, bots. ..... oz. 8.00 - —
Cottonseed, crude, tanks, South East ..... lb. .11¾ Nom.
Valley ..... lb. .11⅝ Nom.
Texas ..... lb. .11⅝ Nom.
foots (soapstock), acid 95%, tanks, N. Y. ..... lb. .04½- —
refd., salad, dms ..... lb. .17⅜- .18
tanks ..... lb. .15⅜- —
Creosote (see Creosote, coaltar).
Cubeb, cns. ..... lb. 4.10 - 4.25
Cumin, bots., cns ..... lb. 4.75 - 5.00
Cypress, bots ..... lb 5.50 —
Degras (see D).
Dillseed, bots ..... lb. 2.80 - 4.25
Dillweed, dom., bots., dms ..... lb. 3.25 - 4.25
Dip (see D)
Erigeron, cns ..... lb 5.50 - 7.50
Eucalyptus, NF, rectified, 70-80%, dms ..... lb. .62 - —
80-90%, dms. ..... lb. .72 - —
Fennel, sweet, USP, cns ..... lb. 2.80 - —
Fir, canada cns ..... lb. 2.75 - 3.25
Fish, refd., alkali, dms ..... lb. .1500- .1550
kettle-bodied, dms ..... lb. .1730- .1780
light-pressed, dms ..... lb. .1350- .1400
tanks ..... lb. .1200- —
Fishliver, crude, for feeds or concentrating 4,000 to 12,000 A units per gram, dms., 1,000,000 units. .08 - .09
10,000 to 20,000 A units per gram, dms., 1,000,000 units. .09 - .10
25,000 to 35,000 A units per gram, dms., 1,000,000 units. .09 - .10
40,000 to 55,000 A units per gram, dms., 1,000,000 units. .10½- .11
100,000 A units per gram., dms 1,000,000 units. .14 - —
200,000 A units per gram., dms 1,000,000 units. .15½- —
500,000 A units per gram., dms 1,000,000 units. .16 - —

Prices above are based on the USP XIV method of conversion, Morton Stubbs Corrected E x 1900.

Fusel (see F).
Garlic, pure, bots ..... oz. 4.50 - 9.50
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns ..... lb. 13.50 -14.50
Bourbon, cns ..... lb. 14.00 -15.00
Turkish (see Oil palmarosa).
Ginger, dist., bots ..... lb. 18.50 -19.50
Grapefruit, dms ..... lb. 1.70 - 3.25
Grease, No. 1, dms., c.l. ..... lb. .13½- —
l.c.l. ..... lb. .16¼- .18¼
extra, winter, strained, dms., c.l. ..... lb. .17¼- —
prime, burning, dms, c.l ..... lb. .18¾- —
l.c.l. ..... lb. .19¾- .21¼
Guaiacwood, cns ..... lb. 1.65 - 2.05
Hemlock, cns ..... lb 2.10 - 2.50
Juniper berry, NF, VIII, bots ..... lb. 2.75 - 4.00
twice rectified, bots ..... lb 3.60 - 7.00
Tar, NF (see Juniper tar).
Wood, tech., cns. ..... lb .38 - .55
Lard (see Oil, grease).
Laurel leaf, dms., cns ..... lb 9.75 -12.50
Lavandin, dms., cns ..... lb. 2.35 - 2.95
Lavender, flower, USP, French 35-37% ester, cns ..... lb. 2.85 - 4.60
38-40% ester, cns ..... lb. 9.25 -10.00
40-42% ester, cns ..... lb. 10.00 -14.00
spike, Spanish, cns ..... lb. 2.05 - 2.60
Lemon, USP, Calif., cns., dms. ..... lb. 4.50 - 5.00
Messina, cns. ..... lb. 5.75 - —
terpeneless, bots. ..... lb. 30.00 -85.00
Lemongrass, cns., dms. ..... lb. 2.10 - —
Lignaloe wood, Mex., cns ..... lb. 4.65 - —
Lime, dist., Mexican, cns. ..... lb. 3.80 - —
West Indian, cns. ..... lb. 3.80 - —
expressed, West Indian, cns ..... lb. 6.00 - 8.00
terpeneless, bots. ..... lb. 50.00 -85.00
Linseed, raw, dms., c.l., N. Y. ..... lb. .1600- —
l.c.l. ..... lb. .1700- .1725
tanks (f.o.b. Minneapolis) ..... lb. .1270- —
New York ..... lb. .1400- —
tankwagon, New York ..... lb. .1440 .1450
Boiled linseed oil, .006c. per lb. higher.
Mace, dist., cns., dms ..... lb. 5.75 - 6.75
Mandarin (see Oil, tangerine).
Menhaden, crude, tanks, works, Altantic & Gulf ..... lb. .08¾ Nom.
Mineral, white (see Oil, white mineral).
Mirbane (see Nitrobenzene).
Mustard seed, nat., dms. ..... lb. .17½ Nom.
syn., bots ..... lb. 1.60 - 1.85
Neatsfoot, 15° cold test, dms ..... lb. .30 - .33
20° cold test, dms ..... lb. .29 - .32
30° cold test, dms ..... lb. .28 - .31
Neroli, NF, French bots ..... lb. 575.00 - —
Nutmeg, USP, dist., East Indian, cns., dms ..... lb. 10.90 - —
West Indian, cns., dms ..... lb. 10.90 - —
Ocotea cymbarum, dms ..... lb. .50 - .60
Oiticica, liq., dms ..... lb. .16¼- .16¾
tanks ..... lb. .14¾- .15
Oleo, extra, dms ..... lb. .18½- .18¾
Olibanum, bots ..... lb. 5.50 - 7.65
extra fine, bots ..... lb. 8.00 - 9.00
Olive, edible, Spanish, dms., duty-paid ..... gal. 3.45 - 3.60
Orange, sweet, dist., cns. ..... lb. .45 - .80
expressed, USP, Brazilian, cns., dms ..... lb. No stocks.
Calif., cns., dms ..... lb. .60 - 1.25
Florida, cns., dms ..... lb. .50 - .60
Messina, cns. ..... lb. 3.85 - 5.85
West Indian, cns., dms ..... lb. 2.50 - 3.65
sesquiterpeneless, bots. ..... lb. 65.00 -120.00
Origanum, Spanish, cns ..... lb. 2.00 - —
Palm, clarif., dms. ..... lb. .1550- .1650
Palmarosa, cns ..... lb. 8.50 -10.00
Paraffin, pale, 100-110 vis., at 100 F, tanks, East Coast refy. ..... gal. .14 - —
Patchouli, dms ..... lb. 6.25 - 8.75
Peach kernel, USP (see Oil apricot kernel).
Peanut, crude, tanks, f.o.b. mills. ..... lb. .1300- —
refd., dms ..... lb. .18¾- .19¼
tanks ..... lb. .16¾- —
Pennyroyal, USP, imported, cns. ..... lb. 2.75 - 3.50
Peppermint, nat., dms ..... lb. 6.25 - 7.50
redist., USP, dms ..... lb. 6.75 - 8.50
Persic, USP (see Oil, apricot kernel).
Petitgrain, South American, cns., dms ..... lb. 3.35 - 3.50
Pimento, berry, NF, dms ..... lb. 4.50 - 5.00
leaf, cns. ..... lb. 2.05 - 2.60
Pine, dest.-dist., dms., l.c.l., works. ..... lb. .12¼- —
ex whse. ..... lb. .14¼- —
steam-dist., dms., ex whse. N.Y.C. ..... lb. .176 - —
dlvd. ..... lb. .179 - —
Pineneedle, Siberian (see Oil, abies siberica).
Rapeseed, tankcars ..... lb. .22½- .23
Red (see Acid, oleic).
Rice bran, clarif., dms., l.c.l. ..... lb. .18 Nom.
tanks, dlvd. E ..... lb. .15½ Nom.
Rose, nat., Bulgarian, bots ..... oz. 43.00 -57.00
Rosemary, Spanish, USP, cns., dms. ..... lb. .60 - 1.00
tech., cns., dms ..... lb. .50 - .70
Rue, bots ..... lb. 2.00 - 2.50





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Ungerer & Company, Inc. 161 Avenue of the Americas New York 13, N.Y.

Inquiries from countries other than the U.S. and Canada should be directed to the Products Department, Sunkist Growers.

Oil, safflower, dms., c.l., Atl. coast, lb. .17⅜- —
tanks, same basis lb. .15⅞- —
Sage, clary, bots lb.18.75 -19.00
Dalmatian, cns lb. 4.10 - 4.65
Spanish, cns. lb. 1.20 - 1.45
Sandalwood, NF, cns lb.13.00 - —
Sardine, crude, tanks, Pac. coast, lb. .08½- .09
Sassafras, artif., dms lb. .48 - .60
nat., dom., USP, dms lb. 1.45 - 2.10
imp., Brazilian (see Oil ocetea cymbarum).
Savin, cns lb. 2.75 - —
Savory, cns. lb. 4.25 - —
Sesame, refd., dms lb. .38 - .39
Shingle stain, tar distillate, dms., c.l., works gal. .35 - —
l.c.l., works gal. .44 - —
tanks, works gal. 23 - —
Snakeroot, Canada, cns lb.27.50 -31.00
Soybean, crude, tanks, Decatur, lb. .11⅛- —
foots soapstock, acid, 95% tanks, N. Y. lb. .07⅜- —
refd., alkali, dms lb. .15⅜- .16
tanks lb. .1367- —
clarified, dms lb. .15⅜- .15½
tanks lb. .1317- —
salad, dms lb. .1597- .16¼
tanks lb. .1397- —
Spearmint, USP, dms lb. 4.50 - 5.60
Sperm, bleached winter, 45° dms. lb. .1675- .1725
tankcars lb. .1500- —
nat., winter, 45°, dms lb. .1575- .1625
tankcars lb. .1400- —
Spruce, cns., dms lb. 2.10 - 2.75
Sweet birch, USP, Northern, cns. lb. 4.25 - 9.50
Southern, cns lb. 2.30 - 2.75
Tall, crude, dms., c.l., works lb. .03¾- .04¼
tanks, works lb. .02½- —
dist., dms., c.l., works lb. .07½- —
l.c.l., works lb. .07¾- —
tanks, works lb. .06¼- —
refd., dms., c.l., works lb. .06½- .06¾
l.c.l., works lb. .06¾- .07¾
tanks, works lb. .05¼- .05¾
Tallow, acidless, dms., c.l. lb. .13½- —
l.c.l. lb. .14½- .16
Tangerine, Floridian, dms lb. 2.00 - 2.80
Tansy, dms lb. 7.50 - 8.40
Tar acid (see T's).
Pine, comi., dms., c.l., works lb. .0561- —
l.c.l., works lb. .0634- —
whse lb. .0745- —
tanks, works lb. .046 - —
rectified, NF, dms., incl., l.c.l., works, South gal 1.05 - —
ex whse., N. Y. C. gal. 1.15 - —
refd., dms., incl., works, l.c.l. gal. .92 - —
N. Y. whse. gal. 1.02 - —
Theobroma (see Cocoa butter).
Thyme, NF, red, cns., dms. lb. 1.45 - 1.75
white, cns. lb. 1.70 - 2.00
tech., white, cns lb. .40 1.85
Tung, dms., c.l., N. Y. lb. .25¼- —
l.c.l., same basis lb. .25½- .26¼
tanks, N. Y. lb. .23¾- .24
domestic mills lb. .24¼ Nom.
Turkey red (see Oil, castor, sulfonated).
Turpentine, NF, cns., dms. lb. .28 - .45
Vetiver, Bourbon, cns lb.11.75 -11.90
Haitian, cns lb. 9.60 -11.00
Java cns lb.18.50 -20.00
Wheat, germ, 5-gal. dms gal.11.20 - —
White, mineral, tech., 50-65 vis., non-ret. dms. c.l., f.o.b. N. Y. gal. .55 - —
65-75 vis., non-ret., dms., c.l., same basis gal. .56 - —
l.c.l., same basis gal. .61 - —
80-90 vis., non-ret., dms., c.l., same basis gal. .57 - —
l.c.l., same basis gal. .62 - —
135-138 vis., non-ret. dms., c.l., same basis gal. .63 - —
l.c.l., same basis gal. .68 - —
145-155 vis., non-ret. dms., c.l., same basis gal. .69½- —
l.c.l., same basis gal. .74¼- —
USP, 180-190 vis., non-ret. dms., c.l., same basis gal. .71 - —
l.c.l., same basis gal. .76 - —
200-210 vs., non-ret. dms., c.l., same basis gal. .73 - —
l.c.l., same basis gal. .79 - —
345-355 vis., non-ret. dms., c.l., same basis gal. .76½- —
l.c.l., same basis gal. .84½- —
Wintergreen, USP, nat., Northern, cns. lb. 6.35 -10.30
Southern cns lb. 3.20 -19.50
syn. (see Methyl salicylate).
Wood (see Oil, tung).
Wormseed (see Oil, Chenopodium, NF).
Wormwood, cns lb. 5.50 - 6.85
Ylang-ylang, Bourbon, bots lb.14.00 -16.00
extra, bots lb.28.00 -40.00
Madagascar, bots lb. No stocks
Oleostearine, dms lb. .11½- .11¾
Opium, USP, cns oz.19.20 -19.45
gran., USP, cns oz.21.65 -21.90
powd. USP, cns oz.21.65 -21.90
Orange cadmium-selenide lithopone, light shade, bbls., frt. alld. E. of Rockies lb. 1.80 - —
deep shade, bbls lb. 2.00 - —
Cadmium-mercury lithopone, deep shade, bbls lb. 1.78 - —
Chrome, CP, bbls., dlvd. N. of Tennessee and N.C., E. of Miss. R., include Davenport, Tenn., and E. of Minneapolis, Rock Island, St. Louis, St. Paul lb. .33 - .33½
Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1½c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex., El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City. Wichita prices are equalized with Chicago.
Dinitroaniline toner CP lb. 1.45 - —
Mineral, American, bbls., l.c.l., works lb. .2235- —
Molybdated, bbls. lb. .46 - .46½
o-Nitroaniline toner, kegs. lb. 1.15 - —
Orange peel, bitter, Haitian, bls. lb. .14 - .16
sweet, bls. lb. .16 - .18
Orris root, Florentine, bls. lb. .45 - .50
powd., bbls., bxs. lb. .50 - .53
Verona, bls. lb. .35 - .40
powd., bbls., bxs. lb. .40 - .45
Orthoaminobiphenyl (see o-Aminobiphenyl)
Orthoanisidin (see o-Anisidine).
Orthochloroanilin (see o-Chloroaniline).
Orthochlorobenzaldehyde (see o-Chlorobenzaldehyde).
Orthochloroparanitroanilin (see 2-Chloro-4-nitroaniline).
Orthochlorophenol (see o-Chlorophenol).
Orthocresol (see o-Cresol).
Orthodichlorobenzene (see o-Dichlorobenzene).
Orthonitroanilin (see o-Nitroaniline).
Orthonitrochlorobenzene (see o-Nitrochlorobenzene).
Orthonitrobiphenyl (see o-Nitrobiphenyl).
Orthonitroparachlorophenol (see 2-Nitro-4-chlorophenol).
Orthonitrophenol (see o-Nitrophenol).
Orthonitrotoluene (see o-Nitrotoluene).
Orthophenetidin (see o-Phenetidine).
Orthophenylphenol (see o-Phenyl phenol).
Ortho-tertiary-amylphenol (see o-tert-Amylphenol).
Orthotolidin (see o-Tolidine base).
Orthotoluidin (see o-Toluidine).
Osage, orange, cryst., No. 1, bbls. l.c.l. lb. .40 - —
extract, liq., No. 1, bbls., l.c.l., lb. .19 - —
Ouabain, USP, bots gram. 3.00 - 4.00
Oxyquinolin sulfate, cns., 100-lb. lots, works lb.4.75 - 5.00
smaller lots, works lb. 4.92 - 5.17

P

Papain, USP, African, bots lb. 3.50 - 4.00
Ceylon lb. 3.00 - 3.50
Papaverine, nat. or syn. hydrochloride, USP, cns., 25-oz. to 100-oz. lots oz. 5.00 - —
smaller lots oz. 5.05 - 5.20
Sulfate, cns. oz. 7.10 - 7.35
Paprika, Roumanian, bgs lb. .26 - —
Spanish, bgs lb. .33 - .38
Yugoslavian, bgs lb. .32 - .33
Para-aminophenol (see p-Aminophenol).
Para-anisidin (see p-Anisidine).
Parachloro-orthonitroanilin (see 4-Chloro-2 nitro aniline).
Parachloranilin (see p-Chloraniline).
Parachlorobenzaldehyde (see p-Chlorobenzaldehyde).
Parachlorophenol (see p-Chlorophenol).
Paracresol (see p-Cresol).
Paradibromobenzene (see p-Dibromobenzene).
Paradichlorobenzene (see p-Dichlorobenzene).
Paraffin, crude, scale, white, 123°-127°F, ASTM, solid, 1,500 lbs. or more, refy lb. .08 - —
fully refd., 122°-124°F, ASTM, 1,500 lbs. or more, refy lb. .0905- —
125°-127°F, ASTM, slabs, loose, 1,500 lbs. or more, refy lb. .0905- —
130°-132°F, ASTM, slabs, loose, 1,500 lbs. or more, refy lb. .0905- —
132°-134°F, ASTM, 1,500 lbs. or more, refy lb. .0905- —
135°-137°F, ASTM, slabs, loose, C.L., refy lb. .0905- —
Prices for paraffin in bags and ctns., 1,500 lbs. or more, 7.10c. per lb higher; 1,000 to 9,999 lbs., 2.7c. per lb higher and under 1,000 lbs. 3.7c. per lb. higher.
AMP temperatures are an arbitrary 3°F higher than ASTM.
Paraformaldehyde, 91% flake, bgs., c.l., frt. alld lb. .1075- —
l.c.l., frt. alld lb. .1275- .137½
powd., bgs., c.l., frt. alld lb. .15½- —
l.c.l. frt. alld lb. .17 - —
USP, X, fib. dms., c.l. lb. .183 - —
1,000-lb. lots lb. .193 - —
smaller lots lb. .208 - —
Paraldehyde, tech., 95%, 55-gal. dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tanks, works lb. .11½- —
Paranitroanilin (see p-Nitroaniline).
Paranitrochlorobenzene (see p-Nitrochlorobenzene).
Paranitrotoluene (see p-Nitrotoluene).
Paranitrophenol (see p-Nitrophenol).
Paraphenetidin (see p-Phenetidine).
Paraphenylenediamine (see p-Phenylenediamine).
Paraphenylphenol (see p-Phenylphenol).
Para-tertiary-amylphenol (see p-tert-Amylphenol).
Para-tertiary butylphenol (see p-tert-Butylphenol).
Parathion, spray powder, 15% dust, ers., bgs., dms., frt. alld lb. .50 - .53
tech., dms., c.l., t.l., works lb. 1.2395- —
l.c.l., works lb. 1.31 - —
Paratoluenesulphonamide (see p-Toluenesulfonamide).
Paris green, dealer, dms., c.l., frt. alld lb. .44 .47
l.c.l., same basis lb. .45 .48
Passion flower herb, bls lb. 20 .21
Peanut meal, 45%, old process, bgs., mills ton.56.00 Nom.
Pectin, citrus, NF, powd., bbls lb. 2.05 - 2.06
tech., powd., bbls lb. 1.25 - —
imported, Danish, ex whse lb. 1.26 - —
Penicillin, crystalline, potassium, sterile, bulk, 1,000,000 units. .0475- .0520
Procaine bulk 1,000,000 units. .0475- .0520
Sodium, sterile, bulk, 1,000,000 units. .0475- .0520
Pentachlorophenol, dms., c.l., t.l., works, frt. equald lb. .22 - —
l.c.l., same basis lb. .23½- .30
Pentaerythritol, tech., bgs., c.l., works lb. .32 - —
l.c.l., works lb. .33 - —
Di- and tri-isomers (see Dipentaerythritol and Tripentaerythritol).

Announcing...

PAMAK*

Tall Oil Fatty Acids

Hercules Powder Company announces the availability of Pamak tall oil fatty acids—a major new source of supply for these versatile chemical materials.

Produced in the latest type of multi-column fractional distillation equipment at Hercules' new operation at Franklin, Virginia, Pamak tall oil fatty acids are designed to meet your specific requirements for uniform high quality.

The opportunity to discuss how Hercules may best serve you will be welcomed. For technical specifications and shipping information, write:

*Hercules trademark

HERCULES

HERCULES POWDER COMPANY
936 Market St., Wilmington 99, Del.

PT56-1

Pentane—Phthallic Anhydride

Pentane, indust., tanks, Tex. refy. gal. .13 - —
Pepper, black, Malabar, spot, bgs lb. .31½- —
red, Gondar, spot, bgs. lb. No prices.
Japanese, hontaka, bgs. lb. .33 - .34
birdseyes, bgs., new crop lb. No prices.
Mombasa, bgs., shipt lb. .56 - .57
Nigerian, bgs. lb. .29½- —
Turkish, bgs. lb. .28 - —
white, bgs lb. .35 - .36
Peppermint leaves, USP, dom., bls., dms lb. .70 - .75
imp., bls. lb. 1.10 - —
Perchloroethylene, dms., c.l., cr truckloads, dlvd lb. .13 - —
l.c.l., dlvd. lb. .14½- —
tanktruck, 1,000 gal., min. dlvd lb. .12 - —
tanks dlvd. lb. .11½- —
Peru balsam, dms. lb. 1.50 - 1.75
Petrolatum, amber, dms., c.l., refy. lb. .06 - .06⅛
l.c.l., dlvd. lb. .07⅝- .08
tanks, refy. lb. .08¼- .05⅛
cream, dms., c.l., refy. lb. .07⅛- .08⅛
l.c.l., dlvd. lb. .09½- .09¾
tanks, refy. lb. .05⅜- .06⅝
extra amber, dms., c.l., refy lb. .06¼- .06⅞
l.c.l., dlvd. lb. .08 - .08¼
tanks, refy. lb. .04½- .05⅛
Petrolatum, USP, white, lily, dms., c.l., refy lb. .07⅝- .08¼
l.c.l., dlvd lb. .09⅜- .10⅛
tanks, refy lb. .05⅞- .07
snow, dms., c.l., refy lb. .08⅛- .08¾
l.c.l., dlvd. lb. .10¾- .10⅝
tanks, refy. lb. .06⅜- .06⅞

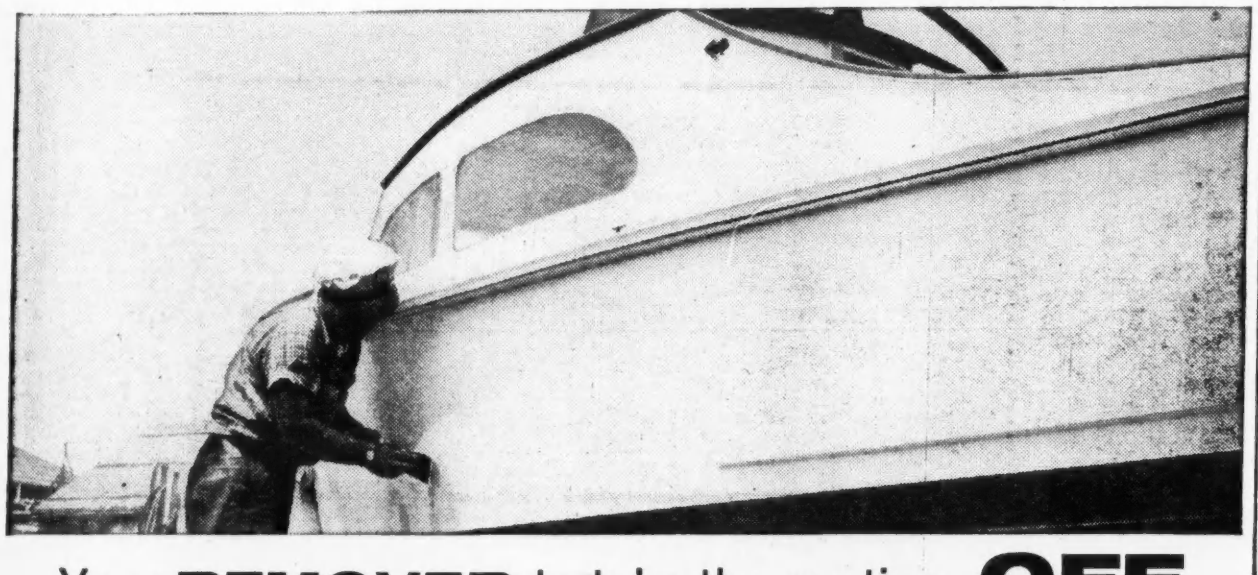
Petrolatum, soft, dms., c.l., refy lb. .07¾- .08¾
l.c.l., dlvd. lb. .09½- .09¾
tanks, refy. lb. .05¼- .06⅞
yellow, soft, dms., c.l., refy lb. .06¼- .06¾
l.c.l., dlvd. lb. .07⅜- .08⅛
tanks, refy. lb. .04½- .06⅞
Petroleum, lacquer diluent, 150°-240°F, b.r., tanks, West Coast, ex tax, Los Angeles, gal. .169 - .204
East coast, N. J., N. Y. gal. .19 - —
Group 3, benzol-type gal. .14125- .14625
toluol-type gal. .13125- .13375
Mineral spirits, reg., tanks, Calif., ex tax, San Francisco gal. .164 - —
East coast, N.J., N.Y gal. .17 - —
Group 3 gal. .11875- —
tankwagon, Boston gal. .19 - —
Buffalo gal. .195 - —
Chicago gal. .279 - —
Cleveland gal. .22 - —
Newark gal. .18 - —
New York gal. .18 - —
Philadelphia gal. .185 - —
Pittsburgh gal. .18 - —
Providence gal. .195 - —
odorless, tanks, refy., Watson, Cal gal. .245 - —
Borger, Tex. gal. .24 - —
Houston, Tex. gal. .24 - —
Wood River, Ill. gal. .2625- —
N. J., dlvd gal. .32 - —
N. Y., dlvd gal. .33½- —
tankwagon, N. J., dlvd gal. .36 - —
N. Y., dlvd. gal. .37 - —

Petroleum, naphtha, cleaners, tanks, East Coast, N. J., and N. Y. gal. .17 - —
Group 3 gal. .12875- —
tankwagon, Newark gal. .18 - —
New York gal. .18 - —
Philadelphia gal. .185 - —
High solvency (see Petroleum solvent, partial aromatic).
VM&P, 225°-300°F., b.r., tanks, West Coast, Los Angeles gal. .169 - —
Portland, Ore. gal. .175 - —
San Francisco gal. .174 - —
Seattle, Wash. gal. .175 - —
East Coast, N. J. and N. Y. gal. .18 - —
Group 3 gal. .12875- —
tankwagon, Boston gal. .205 - —
Chicago gal. .289 - —
Cleveland gal. .23 - —
Newark gal. .195 - —
New York gal. .195 - —
Philadelphia gal. .20 - —
Pittsburgh gal. .19 - —
Solvent, partial aromatic, tanks, 205°-282°F., b.r., 41°C., m.a.p., N. Y., N. J. gal. .245 - —
212°-278°F. b.r., 43°C. m.a.p., N. J. gal. .26 - —
212°-284°F. b.r., 19°C. m.a.p., N. J. gal. .29 - —
224°-280°F., b.r., 48°C, m.p.a., Houston gal. .215 - —
273°-361°F. b.r., 29°C. m.a.p., N. J. gal. .29 - —
282°-325°F. b.r., 41.5°C. m.a.p. Houston gal. .25 - —
287°386°F., b.r., 31°C., m.a.p., N. J. gal. .29 - —
310°-314°F., b.r., 13.5°C., m.a.p., Texas City gal. .33 - —
310°-348°, b.r., 17°C., m.a.p., N. Y., N. J. gal. .35 - —

Petroleum solvent, partial aromatic, tanks:—
320°-360°F., b.r., 16°C., m.a.p., N. Y., N. J. gal. .33 - —
324°-349°F, 37°C, m.a.p., Houston gal. .33 - —
341°-390°F., b.r., 35°C., m.a.p., N. J gal. .27 - —
352°-413°F., b.r., 30°C., m.a.p, Houston gal. .33 - —
358°-401°F., b.r., 25°C., m.a.p., N. Y., N. J. gal. .39 - —
364°-404°F. b.r., 19°C. m.a.p., N. Y., N. J gal. .425 - —
367°-418°F. b.r., 19.6°C. m.a.p., N. Y., N. J gal. .33 - —
Rubber, tanks, Cal., ex tax, San Francisco gal. .173 - —
East Coast, N. J., N. Y., gal. .18 - —
Group 3 gal. .12875- —
Stoddard, tanks, East Coast, N. J., N. Y. gal. .17 - —
Group 3 gal. .12375- —
Pennsylvania, western gal. .15 - —
tankwagon, Boston gal. .19 - —
Chicago gal. .289 - —
Cleveland gal. .22 - —
Los Angeles, ex tax gal. .194 - —
Newark gal. .18 - —
New York gal. .18 - —
Philadelphia gal. .185 - —
Pittsburgh gal. .18 - —
Sulfonate, oil soluble, 60-62% sulfonic content, non-ret. dms., c.l., works lb. .16½- .18¾
l.c.l., works lb. .17½- .19
tanks, works lb. .14½- .17
50-55% sulfonic content, non-ret. dms., c.l., works lb. .16 - —
l.c.l., works lb. .17 - —
tanks, works lb. .13 - —
o-Phenetidine, dms., t.l., frt. alld. E lb. .91 - —
l.c.l., same basis lb. .93 - —
p-Phenetidine, dms., c.l., frt. alld. lb. 1.00 - —
l.c.l., same basis lb. 1.03 - —
Phenobarbital, USP, dms., 100-lb. lots lb. 3.50 - —
Phenobarbital-sodium, USP, dms., 100-lb. lots lb. 3.50 - —
Phenol, 90-92% (cresol 8-10%), non-ret. dms., c.l., frt. alld. E. of Rockies lb. .17¾- .18
l.c.l., same basis lb. .18¼- .19
tanks, same basis lb. .16 - —
82-84% (cresol 16-18%), non-ret. dms., c.l., same basis lb. .17½- —
l.c.l., same basis lb. .18½- —
tanks, same basis lb. .15½- —
39°C or above, tar distilled, non-ret. dms., c.l., same basis, lb. .19¼- .19½
l.c.l., same basis lb. .19¾- .20½
tanks, same basis lb. .17½- —
USP, syn., dms., c.l., t.l., frt. alld lb. .20 - —
l.c.l., same basis lb. .22 - —
tanks, same basis lb. .18 - —
Phenolphthalein, USP, or yellow, bbls., dms., 2,000-lb. lots. lb. 1.10 - —
smaller lots lb. 1.12 - 1.17
Phenothiazine, NF, fib. dms., c.x., frt. adjusted lb. .39 - —
over 2,100 lbs., same basis lb. .41 - —
less than 2,100 lbs., same basis, lb. .43 - —
Phenyl acetate, dms., 100-lb. lots, works lb. .50 - —
Salicylate (see Salol.)
Phenylacetaldehyde, soln., 50%, bots lb. 2.40 - 2.70
100%, bots lb. 4.00 - 4.65
Phenylacetamide, 125-lb. dms., works lb. 1.10 - —
smaller dms., works lb. 1.15 - 1.10
dl-Phenylalanine, dms., works lb. 27.00 -37.50
1-Phenyl-3-carbethoxy pyrazolone-5, 250-lb. fib. drums., dlvd. E lb. 3.60 - —
smaller dms., dlvd. E lb. 4.00 - —
N-Phenyldiethanolamine, dms., c.l., dlvd. E lb. .40½- —
l.c.l., dlvd. E lb. .41½- —
tanks, dlvd. E lb. .38½- —
m-Phenylenediamine, dms., frt. alld. lb. 95 - —
o-Phenylenediamine, coml., 100 to 1,000 lbs., fib. dms., works lb. 1.70 - 1.80
p-Phenylenediamine, refd., tech., dms., works lb. 1.42 - —
Phenylethanolamine, dms., c.l., works lb. .75½- —
l.c.l., same basis lb. .76 - —
Phenylethyl acetate, bots lb. 1.25 - 1.60
b-Phenylethylamine, dms., 1,000-lb. lots, works lb. 1.10 - —
smaller lots, works lb. 1.15 - 1.40
Phenylhydrazine base, CP, bots lb. 3.00 - 3.07
Hydrochloride, coml., kgs., works. lb. 1.75 - —
purif., bots., works lb. 5.17 - —
1-Phenyl-3-methyl pyrazolone-5, 250-lb. lots, dlvd. E lb. 1.80 - —
smaller lots, dlvd lb. 2.10 - —
Phenylethylphenyl acetate, bots lb. 4.15 - 4.35
o-Phenylphenol, dms., l.c.l., works, lb. .42 - .44
p-Phenylphenol, bgs., c.l., works lb. .37 - —
l.c.l., works lb. .41½- —
Phloroglucinol, coml., fib. dms., works lb. 6.40 - —
C.P., bots., works lb. 17.75 - —
tech., fib. drums., works lb. 10.45 - —
Phosphate, defluorinated (see under D).
Rock, Curacao, Atlantic ports, New Orleans ton. 45.00 - —
Florida, land pebble, run-of-mine, washed, dried unground, bulk, c.l., mines, 68-66%, b.p.l., bulk, c.l., mines long-ton. 4.94 - 4.99
70-68%, b.p.l., c.l., same basis long-ton. 5.34 - 5.39
72-70%, b.p.l., c.l., same basis long-ton. 5.99 - —
75-74%, b.p.l., c.l., same basis long-ton. 6.99 - —
78-76%, b.p.l., c.l., same basis long-ton. 7.99 - —

The Florida prices (above) are based on fuel oil at $2.47 per bbl. and labor at $1.43. Recent oil advance currently absorbed.

Phosphorus, amorph., red, dms., t.l., works lb. .43 - —
smaller lots, works lb. .44 - .45
white (yellow), solid, dms., c.l., works, frt. equald lb. .20 - .20½
l.c.l., works, frt. equald. lb. .21½- —
tanks, works, frt. equald. lb. .19 - —
Oxychloride, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tanks, works lb. .12½- —
Pentasulfide, solid, dms., c.l., works lb. .11½- —
l.c.l., works lb. .12½- —
Pentoxide, dms., c.l., works lb. .13½- —
l.c.l., works lb. .16½- —
Sesquisulfide, tins, cs., works lb. .29 - —
export, dms. lb. .31 - .36
Trichloride, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tankcars, works lb. .12½- —
Phthalic anhydride, ogs, c.l., works, frt. equald lb. .20 - —
l.c.l., same basis lb. .21 - —
tanks, same basis lb. .19½- —



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or your **LACQUER** to put the coating **ON**

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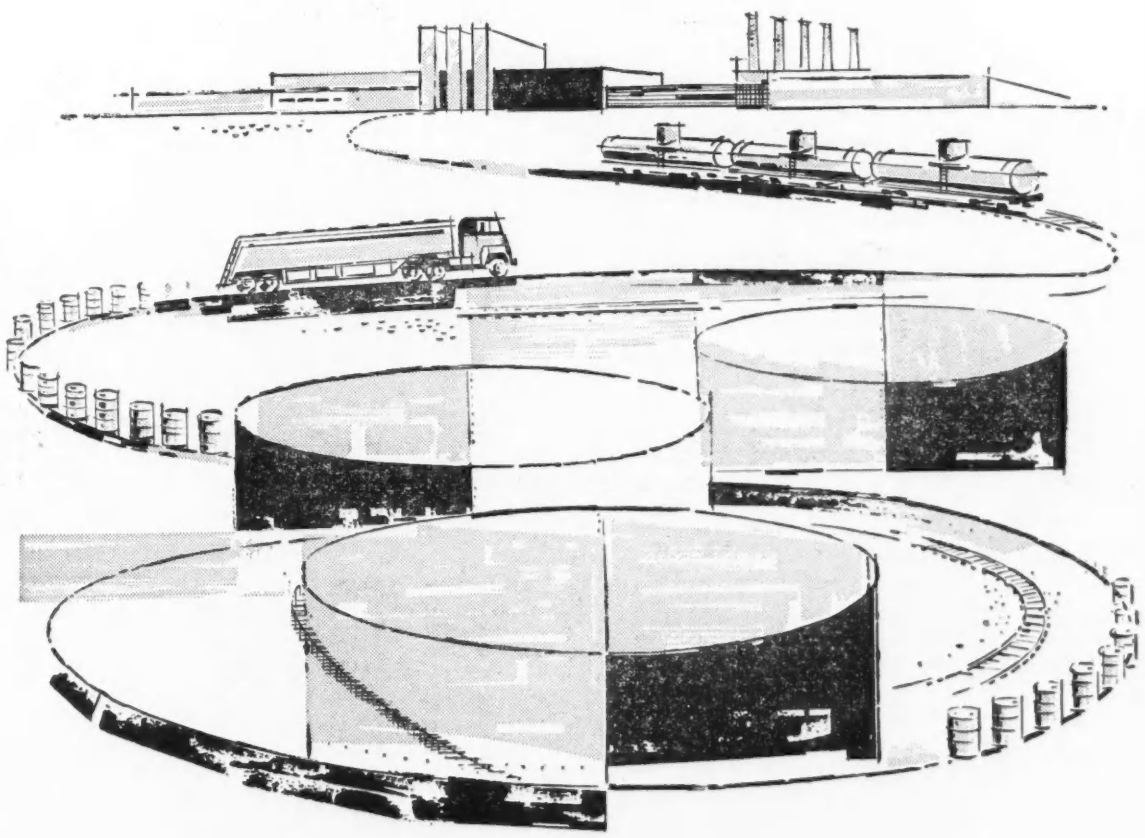
Phthalimide, 97%-98%, dms., frt. equald lb. .65 - —
Phthalylsulfacetamide, 1,000-lb. lots or more lb. 5.00 - —
a-Picoline, ret. dms., c.l., works, frt. equald lb. .43 - .43½
l.c.l., works, frt. equald lb. .44 - —
tanks, same basis lb. .415 - .422
b,g-Picoline, 5°C, dms., c.l., works, lb. .32½- —
l.c.l. works lb 33 - —
g-Picoline, 98%, dms., works lb. 2.00 - —
Pilocarpine hydrochloride, USP, bots oz. 4.75 - 5.25
Nitrate, USP, bots., vials oz. 4.65 4.75
Pimento, Jamaican, bgs lb. 72 - —
Mexican, bgs lb. .58 - —
Pink root, bls lb 3.00 3.25
d-Piperazine hexahydrate, French Codex bots kilo 8.00 8.50
Piperidine dist., dms. frt. equald. lb. 2.60 2.70
Piperonyl butoxide, dms. dlvd. E. lb 4.50 5.05
Cyclonene dms., dlvd E lb 3.70 4.25
Pitch, coaltar, 150°-170° F. m.p., tanks, works ton.37.00 - —
Cottonseed, raw, dms., works lb. .03 - .03¼
tanks lb. .02¾ - —
Linseed, dms lb. .06 - .06¾
Marine, dms lb. .04¼ - .05
Petroleum (see Asphalt, petroleum).
Soybean, dms., works lb. .05 - .05½
Tall, tanks, works ton.30.00 -40.00
dms., c.l., works ton.50.00 -70.00
Plaster of Paris (see Gypsum).
Platinum metal, works oz.105.00 -107.00
Pleurisy root, bls lb 45 - .50
Podophyllum resin, NF, dms. lb.15.60 - —
Poke root, bls lb. .19 - .22
Polymyxin, bulk, bots., dms., 50 billion units or more, 1,000,000 units. .52 - —
25-50 billion units 1,000,000 units. .54 - —
1-25 billion units 1,000,000 units. .56 - —
Polyoxyethylene sorbitan monostearate, dms., 20,000-lb. lots, works lb. .41 - —
10,000-20,000-lb. lots, works, lb. .43 - —
smaller lots, works lb. .46 - .48
tristearate, dms., 20,000 lb. lots, works lb. .41 - —
10,000-20,000 lb. lots, works, lb. .43 - —
smaller lots, works lb. .46 - .48
Poppy seed, Argentine, bgs. lb. .17½- .18
Dutch, bgs lb. .23½- .24
Iranian, bgs lb. .14½- .15
Polish, bgs. lb. .22½- .23
Turkish, bgs. lb. No prices.
Potash, caustic, reg., flake, 88-92%, dms., c.l., works 100 lbs. 9.15 - —
l.c.l., works, 100 lbs.10.20 - —
liq., 45% basis, dms., c.l., works 100 lbs. 4.25 - —
l.c.l., same basis 100 lbs. 5.05 - —
tanks, same basis 100 lbs 3.70 - —
solid, 88-92%, dms., c.l., works, 100 lbs. 8.70 - —
l.c.l., works 100 lbs. 9.75 - —
Potassium acetate, NF dms lb. .31 - .36
Bicarbonate, USP, gran., dms lb. .22 - —
powd dms lb. .24 - —
Bichromate, bgs., c.l., works lb. .16½- —
l.c.l., works lb. .17 - —
Potassium bichromate in dms ¾c. higher.
Bitartrate, NF, doms., gran., or powd., bbls., 5,000 lbs., 1 ship't lb. .38½- —
dms., c.l. lb. .38 - —
smaller lots lb. .39 - .42
imp. kgs. lb. .29 - —
Bromate, dms., 1,000 lbs. or more, lb. .50 - —
25-200 lb. lots lb. .52 - .62
Bromide, USP, gran., bbls., kgs lb. .37 - .38
Carbonate, NF, gram., bbls., dms, lb. .20 - —
powd., bbls., dms lb. .21 - .22
tech., calcined, bbls., c.l., works, 100 lbs. 9.00 - —
l.c.l., same basis 100 lbs 10.05 - —
hydrated, 83-85%, bbls., c.l., works 100 lbs. 7.60 - —
l.c.l., works 100 lbs. 8.65 - —
Chlorate, cryst., dms., c.l., works, lb. .10¼- —
l.c.l., works lb. .10½- .11½
powd., dms., c.l., works lb. .10¾- —
l.c.l., works lb. .11 - .12
NF, gran., 25-lb. metal dms lb. .35 - —
Chloride, agricultural (see Potassium muriate).
indust., 99.9% KCl, bulk, c.l., works ton.29.00 - —
bgs., c.l., works ton.33.25 - —
99.3% KCl, bulk, c.l., works, ton.27.00 - —
bgs., c.l., works ton.31.25 - —
USP, cryst., dms lb. .21 - .23
gran., dms lb. .15 - .17
powd., dms lb. .24 - .26
Chromate, tech., bgs. lb. .50 - .50½
Citrate, USP, gran., dms lb. .41 - —
powd., dms lb. .40½- .41½
Cyanide, dms., 20,000-lb. lots or more, works lb. .45 - —
2,000-19,999-lb. lots, works lb. .455 - —
smaller lots, works lb. .465 - —
Dichromate (see Potassium bichromate).
Ferricyanide, dms., ton lots lb. .50 - —
Ferrocyanide, bgs., ton lots lb. .22½- —
smaller lots lb. .23 - —
Fluoborate, fib. dms., c.l., works, lb. .30 - —
l.c.l., works lb. .31 - —
Fluoride, dms., works lb. .37 - .38
Gluconate, dms. lb. 1.60 - —
Guaiacolsulfonate, NF, dms. lb. 2.10 - 2.30
Hydroxide, tech. (see Potash caustic).
USP, pellets 100-lb. dms. 1 to 100-dm. lots lb. .28½- .33
Hypophosphite, NF, fib. dms., ton lots or less lb. 1.00 - 1.03
Iodide, dms. lb. 1.90 - 1.95
Metabisulfite, gran., dms. lb. .20 - .21
powd., dms lb. .25 - —
Muriate, standard and granular, 59-63% K_2O, bulk, c.l., works, base price unit-ton. .36 - —
July forward unit-ton. .38 - —
granular, 60-63% K_2O, bgs., c.l., works, base price ton.26.25 - —
July forward ton.27.45 - —
Nitrate, cryst., bbls., 20-ton lots. 100 lbs.14.40 - —
smaller lots 100 lbs.14.65 -14.90
gran., bbls., 20-ton lots 100 lbs. 9.75 - —
smaller lots 100 lbs.11.10 -11.50
powd., bbls., 20-ton lots.100 lbs.10.75 - —
smaller lots 100 lbs.12.00 -12.50
USP, gran., dms. lb. .18 - —
Potassium nitrate in bags 50c. per 100 lbs less in kegs, $1 more.
Oxalate, neutral, tech., fine gran., bbls., dms lb. .30 - .32
Pentaborate, gran., bgs., c.l., works, ton.191.50 - —
dms., ton lots, ex whse. ton.198.00 - —
smaller lots, ex whse. ton.302.50 - —
Powdered potassium pentaborate $10.23 per ton higher.

Potassium perchlorate, dms., c.l., works lb. .17½- —
l.c.l., works lb. .18 - .19
Permanganate, coml., kgs., works, lb. .24½- .27½
USP, dms., works lb. .27¼- .29
Persulfate, bbls., c.l., works lb. .16½- —
dms., 5-ton lots, works lb. .18 - —
1-ton lots, works lb. .20 - —
Pyrophosphate, tetrabasic, dms., works lb. .15½- .18½
Prussiate, red (see Potassium Ferricyanide), yellow (see Potassium Ferrocyanide).
Silicate, glass, bgs., c.l., works, 100 lbs.17.00 -17.30
l.c.l., works 100 lbs.17.80 - —
soln., clarif., 29° Be. 1:2.5, dms., c.l., works 100 lbs. 5.80 - —
l.c.l., 5 dms. or more works 100-lbs. 6.55 - 6.95
tanks, works 100-lbs. 5.45 - —
electrical grade, 29° Be. 1:2.0 dms., c.l., works 100 lbs. 6.50 - —
l.c.l., 5 dms. or more, works 100 lbs. 7.25 - 7.65
tanks, works 100 lbs. 6.15 - —
40.5° Be, 1:2.1, dms., c.l., works 100 lbs. 6.45 - —
l.c.l., 5 dms. or more works 100 lbs. 7.20 - 7.60
Silicofluoride, bgs., works lb. .09½- .10
Potassium silicofluoride in drums, 0.4c. per lb. higher.
Stannate, dms., frt. alld. E lb. .705 - .771
Sulfate, agricultural, 50% K_2O, bulk, works, base price, unit-ton. .64 - —
July forward unit-ton. .67 - —
NF VII, cryst., dms lb. .31 - .33
gran., dms. lb. .18½- —
powder, dms. lb. .16½- .17

Potassium sulfocyanate, NF, cryst., (see Potassium thiocyanate).
Thiocyanate, NF, cryst., dms. lb. .84 - .94
tech., works lb. .77 - .79
Titanate, ctns., c.l., works lb. .14 - —
5-ton lots, works lb. .14½- —
1-ton lot or less, works lb. .14¾- —
Toluene sulfonate, dms., c.l., or t.l., works lb. .42 - —
l.c.l., works lb. .46 - —
Potassium-magnesium sulfate, bulk, works, basis 40% K_2SO_4, 18% MgO, base price ton.13.45 - —
July forward ton.14.90 - —
Potassium-sodium tartrate, NF, gran, powd., dms., c.l. lb. .40½- —
5,000-lb. lots lb. .41 - —
smaller lots lb. .41½- .47
Potassium-titanium fluoride, fib. dms, works lb. .39 - .40
Potassium-zirconium fluoride, fib. dms, c.l., works lb. .50 - —
l.c.l., works lb. .52½- .55
Pregnenolone, bots. gram. .45 - —
Acetate, bots. gram. .40 - —
Procaine hydrochloride, USP, dms., 1,000-lb. lots, frt. alld lb. 2.83 - —
100-300-lb. lots lb. 2.95 - 3.15
Progesterone, USP, bots., 100 gram lots gram .50 - —
Acetate, bots. gram .70 - —
Propane, indust., tanks, group 3 gal. .04½- —
N. Y. Harbor gal. .09 - —

n-Propyl acetate, dms., c.l., dlvd lb. .12¾- —
l.c.l., dlvd. lb. .13¾- —
tanks, dlvd. lb. .1075- —
Gallate, dms., 100 to 2,000-lb. lots, works lb. 3.90 - 4.40
p-Hydroxybenzoate, USP, dms. lb. 2.30 - 2.40
Propyl thiouracil, bots., 50-kilo lots or more kilo.55.00 - —
smaller lots kilo.55.10 -55.30
Propy thiouracil prices in West 1c. higher dlvd., on same basis.
Propylene dichloride, dms., c.l., dlvd. E lb. .09½- —
l.c.l., same basis lb. .10½- —
tanks, same basis lb .07 - —
Glycol, indust., dms., c.l., dlvd. E lb. .16 - —
l.c.l., same basis lb. .17 - —
tanks, same basis lb. .13½ - —
USP, dms., c.l., dlvd. E lb. .18 - —
l.c.l., same basis lb. .19 - —
tanks, same basis lb. .15½ - —
Methyl ether, dms., c.l., dlvd lb. .20 - —
l.c.l., same basis lb .21 - —
tanks, same basis lb. .18½- —
Oxide, dms., c.l., dlvd. E lb. .17½- —
l.c.l., dlvd. E lb. .18½- —
tanks, dlvd. E lb. .15½- —
Psyllium seed, black, bgs. lb. .55 - —
blonde, bgs. lb. .18 - —
husks, bgs. lb. .40 - —
Pumice, dom., grd., coarse to fine, 0, ½, 1, 1½, 2, 3, bgs., ton lots lb. .03⅝- .04¼
smaller lots lb. .03⅞ - .04½



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36 Avenue William-Favre, Geneva, Switzerland

Pumice, imp., Italian, silk-screen, coarse, bgs., ton lots lb. .06½- —
fine, bgs., ton lots lb. .04 - —
sun dried, coarse, bgs. ton lots lb. .02½- .04
fine, bgs., ton lots lb. .02½- .04
Pumpkin seed, bgs lb. .25 - .26
Pyrethrin, syn. (see Allethrin).
Pyrethrum flowers, fine grd., 0.9% pyrethrins, bbls., works lb. .45 - —
powd., 1.3% pyrethrins, obls., works lb. .65 - —
liq. 20/1 basis (2 grams pyrethrins per 100cc odorless base), dms. works gal. 8.75 - 8.80
100/1 basis (10 grams pyrethrine per 100cc odorless base), dms., works gal. 41.75 -42.75
oleoresin, dewaxed, 20%, dms., works lb. 10.00 - —
purif., 20% dms., works lb. 10.00 -10.10
Pyridine, denaturing, dms., c.l., works and frt. equald gal. 2.77 - —
l.c.l., same basis gal. 2.80 - —
refd., 2°, non-ret. dms., l.c.l., same basis lb. .75 - —
Pyridoxine hydrochloride, bots., 100-gram lots gram. .37½- —
Pyrites, Canadian, works long-ton. 3.00 - 5.00
Pyrocatechol (see Catechol).
Pyrogallol, NF, dms. lb. 3.27 - 3.30
Pyroxylin, scrap, ungrd., amber, dms., works lb. .20 - —
black, dms., works lb. .12 - —
mixed mottled, dms., works lb. .13 - —
shavings, amber, cs., works lb. No stocks.
Pyroxilin, scrap, mixed colors, dms., works lb. .11 - —
white, china, ivory, dms., works lb. .16 - —
dense, opaque, dms., works lb. .12 - .15
translucent pastels, cs., works lb. .14 - —
colors, dms., works lb. 15 - —
USP, bots lb. 9.50 - —

Q

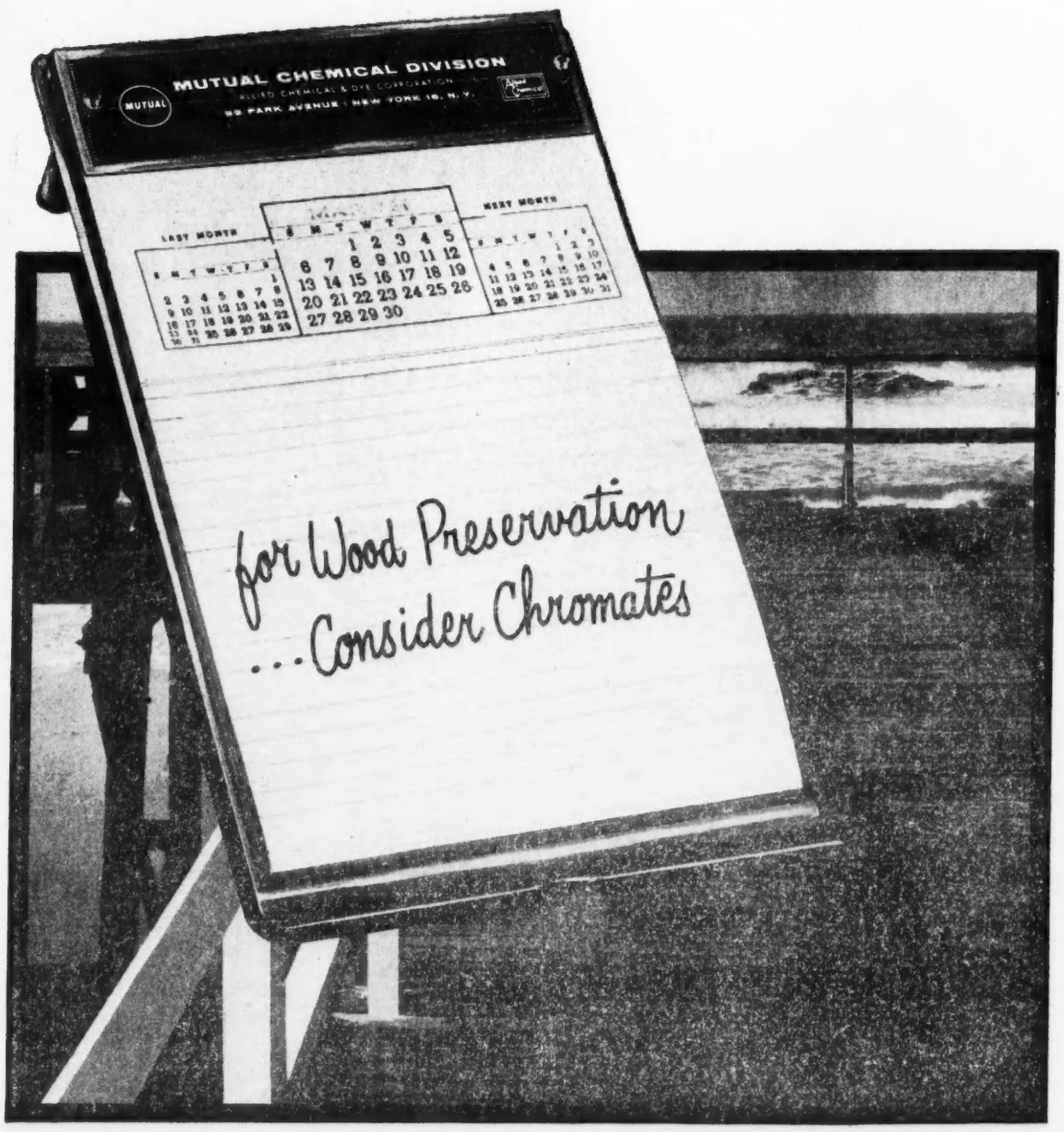
Quassia chips lb. .17 - —
Quebracho extract, clarif., grd., 70% tannin, bgs., c.l., lb. .16½- .16¾
liq., 35% tannin, bbls., works. lb. .08¼- .08½
solid., clarif., 64% tannin, bgs., c.l., exdock, duty extra lb. .12 23/64
ord., 63% tannin, bgs., c.l., same basis lb. .11 21/32- —
Quercitron extract, cryst., No. 1, bbls., l.c.l. lb. .40 - —
liq., No. 1, bbls., l.c.l. lb. .19 - —
Quicksilver (see Mercury metal).
Quince seed, bgs lb. 2.00 Nom.
Quinidine sulfate, USP, cns., 100-oz. lots oz. .75 - .87
Quinine, NF, cns., 100-oz. lots oz. .54 - —
Bisulfate, USP, cns., 100-oz. lots. oz. .37½- —
Quinine ethylcarbonate, NF, cns., 100-oz. lots oz. .63½- —
Hydrobromide, NF, cns., 50-oz. cns. oz. .47½- —
Sulfate, USP, cns., 100-oz. lots oz. .42 - —
Quinine and Urea hydrochloride, NF, cns oz. .56 - —
Quinoline, dms., c.l., frt. equald lb. .50¾- —
l.c.l., same basis lb. .51¼- —
tanks, same basis lb. .50 - —

R

R salt, paste, dms., frt. alld., 100% basis lb. .88 - —
powd., frt. alld. 100% basis lb. .89 - —
Rauwolfia serpentina root, powd., bbls., dms lb. 1.75 - —
Red, BON acid maroons, pure, bbls., lb. 1.75 - —
resinated, bbls lb. 1.50 - —
arylid, deep shades, bbls lb. 3.60 - —
light shades, bbls lb. 2.75 - —
maroon, bbls lb. 3.60 - 5.90
Cadmium, CP, dark shade, bbls., frt. alld. E. of Rockies lb. 4.30 - —
light shade, bbls., same basis. lb. 4.00 - —
medium shade, bbls., same basis lb. 4.25 - —
medium light shade, bbls., same basis lb. 4.05 - —
orange shade, bbls., same basis. lb. 3.95 - —
orange red, bbls., same basis. lb. 1.81 - —
Selenide lithopone, maroon shade, bbls., same basis lb. 3.77 - —
dark, bbls., same basis. lb. 3.90 - —
Red, cadmium, selenide, lithopone, red shade, dark, bbls., same basis lb. 3.44 - —
light, bbls., same basis. lb. 2.24 - 2.32
medium, bbls., same basis lb. 2.99 - —
medium light, bbls., same basis lb. 2.49 - —
Mercury lithopone, dark shade, bbls., same basis lb. 2.40 - —
light shade, bbls., same basis. lb. 1.95 - —
medium shade, bbls., same basis lb. 2.25 - —
medium light shade, bbls., same basis lb. 2.10 - —
Carmine No. 40 (see Carmine).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works lb. 1.65 - —
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y lb. .12¾- —
Iron oxide, nat., 75-85% ferric oxide, bgs. l.c.l. Bethlehem, Pa., Copley, O., Easton, Pa., bgs., c.l., works lb. .0675- —
Lake C toner, alizarine, bbls., works lb. 1.13 - —
rubine toner, pure, bbls. works. lb. 1.50 - —
resinated, bbls., works lb. 1.40 - —
Virginia type, bbls., works lb. 1.40 - —
Maroon toner, MNPT, kgs., c.l., works lb. 3.60 - —
10,000-lb. lots, works lb. 4.22 - —
smaller lots, works lb. 4.24 - —
Mercury oxide, tech., c.l., works. lb. 5.77 - —
Metallic, bbls., c.l., works lb. 02½- —
l.c.l., works lb. 02¾- —
Naphthol, ITR, bbls., works lb. 5.25 - —
Oxide (see Red iron oxide).
Persian Gulf, bgs., c.l., works. lb. .07¾- —
l.c.l., works lb. .08 - —
Para toner, bbls lb. 1.10 - —
chlorinated, kgs lb. 1.10 1.15
Phloxin toner (see Red eosin toner).
Rhodamine, molybdated, PMA, kegs lb. 5.35 - 5.60
tungstated, PTMA, works, kegs. lb. 6.40 - —
Spanish oxide, bbls., c.l., ex-dock. lb. .05¾- —
l.c.l., ex dock lb. .06 - —
ex whse., New York lb. .06½- —
Toluidine toner, deep shades, kgs., works lb. 1.62 - 1.65
light shades, kgs., works lb 1.62 - 1.65
Turkey, bbls., works lb. .62 - —
Tuscan, bbls., frt. equald lb. .26 - .32
Venetian, jobbing, bgs., works lb. .0475- —
20%, bgs., works lb. .0525- —
25%, bgs., works lb. .0575- —
30%, bgs., works lb. .06 - —
35%, bgs., works lb. .0625- —
40%, bgs., works lb. .0675- —
Watchung-type, bbls m 1.95 —
Red KB base (see 4-Chloro-2-aminotoluene).
Red, precipitate (see Mercuric oxide, red).
Red saunders, NF, powd., bbls lb. 35 .40
Reserpine, cryst., bots gram. 3.75 - —
Resorcinol, tech grade, dms., c.l., works, frt. equald lb. .77½- —
l.c.l., same basis lb. .78½- —
USP, dms., works lb. 2.75 - —
powd., dms., works lb. 2.95 - —
Monoacetate, NF, dms lb 3.00 - 3.25
Rhatany root, bgs lb 15 16
Rhodinol, 5-lb. cans lb. 32.00 -36.00
Rhubarb root, India, whole, bgs lb. 1.75 Nom.
powd., bbls lb 2.50 Nom.
Riboflavin, USP, bots., dlvd kilo. 65.00 - —
readily soluble, bots., dlvd kilo. 130.00 - —
5'-phosphate-sodium, bots., 100-kilo lots or more kilo. 125.00 - —
Rochelle salt (see Potassium sodium tartrate).
Rosin gum and wood (see Naval Stores in Protective Coatings market).
Rotenone, fib. dms., works, unit-lb. .12 - —
resin, 25-45%, fib. dms., works, unit-lb. .12 - —
Rottenstone, bgs., 5-ton lots, exwhse lb. .03 - —
ton lots, same basis lb. .04 - —
Rutin, NF, fib. dms. 25-kilo lots, kilo. 17.50 -18.50
10 to 25-kilo lots kilo. 17.50 -20.00
1 to 10-kilo lots kilo. 18.90 -20.00
Ryania, 100%, powd., bgs., c.l., works lb. .22 - —
l.c.l., same basis lb. .24 - —

S

Sabadilla seed, powd., bbls lb. .49 - .49¼
activated, ground with lime, bbls. lb. .30 - .32
Saccharin, USP, cryst., soluble, dms., 1000-lb. lots lb. 1.60 - —
smaller lots lb. 1.70 - 1.80
powd., soluble, insoluble, dms., 1,000-lb. lots lb. 1.65 - —
smaller lots lb. 1.75 - 1.95
Calcium, fib. dms., 1,000-lb. lots, works lb. 2.50 - —
Saffron, Spanish, USP, tins lb. 45.00 - —
Safrol, dms lb. .90 - 1.05
Sage, Cretan, bgs lb. .11 - —
Dalmatian, bgs. lb. .44 - —
Italian lb. .26 Nom.
Sago flour, raw, bgs lb. .07 - .07¼
refd., bgs lb. .08½- .09
Sal soda (see Soda sal).
Salicylamide, 100-lb. dms lb. 1.00 - —
Salol, NF, gran., bbls., kgs lb. 1.15 - —
Powdered salol, 25c. higher
Salt rock, paper bgs., c.l. 100 lbs. 1.03 - —
table, vacuum, common, fine, paper bgs., c.l. 100 lbs. 1.23 - —
Saltcake, dom., bulk, works, 100% Na_2SO_4 basis ton 28.00 - —
Saltpeter (see Potassium nitrate).
Sandalwood, East Indies, chips bgs. .65 - .66
powd., fib. dms lb. .75 - .76
Sarsaparilla root, imp., Honduras, bls lb. .58 - .62
Mexican, bls. lb. .58 - .62
Sassafras root bark, ord., bls lb. .45 - —
select, bbls. lb. .65 - —
Schaeffer's salt, paste, dms., frt. alld. 100% basis lb. .95 - —
powd., bgs., frt. alld., 100% basis. lb. .95 - —
Scopolamine hydrobromide, USP, bots oz. 17.40 - —
Seidlitz mixture, bbls., 5,000-lb. lots lb. .30½- —
smaller lots lb. .31 - .33
Selenium, powd., 99½%, dms., dlvd. lb. 13.50 -15.50
Senega root, bls lb. 3.10 - —
Senna leaves, Alex. whole and half, bls lb. .19 - —
siftings lb. .17 - —
Tinnevelly, No. 1, bls lb. .16 - .18
No. 2, bls. lb. .13 - .15
No. 3, bls. lb. .11 - .13
powdered, bbls., bxs. lb. .18 - —
pods, bls. lb. .14 - —



The demand for lumber treated with Chromate-salt formulations is increasing, due to the ability of these preservatives to provide a long, useful life for wooden structures. In addition to making lumber resistant to fire, fungi and termites, these effective chromate compounds give the wood, clean, odorless, paintable surfaces. Mutual does not make these formulations, but is a leading manufacturer of the Chromium Chemicals called for in government and industry specifications for water-borne preservatives.

SODIUM BICHROMATE • POTASSIUM BICHROMATE • SODIUM CHROMATE • CHROMIC ACID

Serpentaria, root, bls.....lb. 5.50 - —
Sesame seed, Egyptian, hulled, bgs. lb. .19½- —
nat., bgs. .....lb. .17 - —
Nicaragua, hulled, shipt., bgs.lb. .26 - —
nat., bgs.....lb. .16½- —
Salvarodian, natural, bgs.....lb. .17½- —
Indian, natural, bgs.....lb. .20½- —
Shellac, bleached, bonedry, bgs., 2,500-lb. lots lb. .56 - —
bbls., 1,500-lb. lots.....lb. .57 - —
kgs., 1,500-lb. lots.....lb. .58 - —
refd., bgs., 1,500-lb. lots.....lb. .66 - —
bbls., 1,500-lb. lots.....lb. .67 - —
kgs., 1,500-lb. lots.....lb. .68 - —

Bonedry shellac prices for less than 1,500 lb. lots 1c. per lb. higher for all packages.

Lemon No. 1, bgs., 10-bg. lots lb. .50 - .51
No. 2, bgs., 10-bg. lots.....lb. .48 - .49
Superfine, bgs., 10-bg. lots....lb. .46 - .47

Shellac in 1 to 10-bg. lots 1c. per lb. more.

Shingle stain oil (see Oil, shingle stain).

Silica, amorph., dry-grd., 325 mesh, bgs., c.l., works ton.25.00 - —
l.c.l., works, exwhse ton.45.00 -55.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works.....ton.20.00 - —
l.c.l., works.....ton.25.00 -30.00
140 mesh, bgs., c.l., works ton.15.00 - —
l.c.l., works ....ton.20.00 - —
Silicon tetrachloride, tech., dms., c.l., works lb. .18 - —
l.c.l., works.....lb. .22 - .30½
tanks, works.....lb. .17 - —
Silver bullion, ingots, cs.....Troy oz. .90¾- —
Cyanide, fib. dms., 2,500-oz. lots. oz. .86⅜- —
1,000-oz. lots.....oz. .86¾- —
500-oz. lots.....oz. .86⅞- —
100-oz. lots .....oz. .87⅛- —
Nitrate, CP, cryst., bots., 2,500-oz. lots..oz. .61⅛- —
1,000-oz. lots.....oz. .62⅜- —
500-oz lots .....oz. .62⅞- —
250-oz. lots.....oz. .63⅜- —

USP granular silver nitrate 4c. per oz higher.

Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. 1.05 - —
strong, NF, bots., dms., 1,000 oz. lots oz. 1.00 - —
Soapbark, whole, bls.....lb. .38 - .40
crushed, bls., bbls.....lb. .45 - —
powd., bbls.....lb. .45 - —
Soda ash, dense, 58%, paper bgs., c.l., works 100 lbs. 1.80 - —
l.c.l., stock points 100 lbs. 2.90 - 4.67
bulk, c.l., works 100 lbs. 1.50 - —
light, 58%, paper bgs., c.l., works 100 lbs. 1.75 - —
l.c.l., stock points 100 lbs. 3.85 - 4.62
bulk c.l. works 100 lbs. 1.45 - —
Soda, caustic, flake, 76%, dms., c.l., works, frt. equald 100 lbs. 4.50 - —
l.c.l., stock points 100 lbs. 5.60 - —
liq., 50% sellers, tanks, works, dry basis 100 lbs. 2.80 - —
rayon type, sellers, tanks, works, dry basis 100 lbs. 2.80 - 2.90
70%, sellers' tanks, works, dry basis 100 lbs. 2.90 - —
rayon-type, sellers tanks,' works, dry basis 100 lbs. 2.90 - 3.00
solid, 76%, dms., c.l., works 100 lbs. 4.10 —
l.c.l., stock points 100 lbs. 5.30 - —
Sal., conc., bgs., c.l., works.100 lbs. 2.30 - —
smaller lots, works 100 lbs. 2.60 - —
Sodium acetate, anhyd., bgs., c.l., works lb. .13 - —
dms., c.l., works.....lb. .13¾- —
NF, 60%, gran., dms., c.l., works lb. .14 - —
l.c.l., works lb. .15½- —
Alginate, NF, white powd., dms., ton lots, works lb. .87 - 1.30
refd., bbls. works lb. .83 - —
p-Aminobenzoic, dms., 1,000-lb. lots or more lb. 2.25 - —
smaller lots.....lb. 2.35 - 2.45
p-Aminosalicylate, dms., 100 lbs. or more, frt. adjusted lb. 2.70 - —
Antimoniate, bbls., c.l., dlvd. E. lb. .28 - —
l.c.l., dlvd. E .....lb. .29½- —
Arsenate, 45% arsenic pentoxide, dms., c.l., works.....lb. .12½- —
l.c.l., works .....lb. .13¾- .14½
Arsenite 90%, pink powder, 75% arsenious oxide, dms., works lb. .12¼- —
l.c.l., works.....lb. .13 - .14½
soln., dms., works .....gal. .59 - .67
Ascorbate, dms., 25-50 kilo lots. kilo.12.00 - —
10-kilo lots.....kilo.12.35 - —
5-kilo lots.....kilo.12.75 - —
1-kilo lots .....kilo.13.00 - —
bots., 500-gram lots.....kilo.13.50 - —
Benzoate, tech., bbls., dms., lots or more lb. .39 - —
USP, bbls., dms., 100-lb. lots, or more lb. .46 - —
Bicarbonate, USP, gran., bgs., c.l., works 100 lbs. 2.80 - —
l.c.l., works .....100 lbs. 3.55 - —
powd., bgs., c.l., works, 100 lbs. 2.40 - —
l.c.l., works.....100 lbs. 3.15 - —
Bichromate bgs., c.l., works lb. .12¼- —
l.c.l., works.....lb. .12¾- .13¾
Bifluoride, bbls., c.l., works, frt. equaled lb. .18½- —
l.c.l., same basis.....lb. .1890- —
Bisulfate, bulk, c.l., works.100 lbs. 2.00 - —
dms., c.l., frt. equald 100 lbs. 3.00 - 3.60
l.c.l., frt. equald.....100 lbs. 3.50 - 4.10
Bisulfite, anhyd., bgs., c.l., works. 100 lbs. 4.50 - —
l.c.l., works .....100 lbs. 4.90 - —
soln., 35°, bbls., c.l., works. 100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 2.05 - —
Borate (see Borax).
Bromide, USP, bbls., works... lb. .38 - —
Carboxymethyl cellulose (see CMC).
Carbonate, cryst., monohydrated (see Soda, sal).
monohydrated bgs., c.l., works. 100 lbs. 3.00 - —
l.c.l., works .....100 lbs. 3.40 - —
Chlorate, cryst., dms., c.l., works. lb. .09 - —
l.c.l., works.....lb. .10½- .11¼
Chloride, tech. (see Salt).
USP, bgs.....lb. .05 - .12
Chlorite, tech., dms., c.l., works. lb. .58 - —
20-ton lots or more, works, lb. .66 - —
smaller lots, works.... lb. .70 - .73
Chloroacetate, tech., dms., c.l., works..lb. .27 - —
l.c.l., works.....lb. .28 - —
Chromate, dms., c.l., works....lb. .13¼- —
l.c.l., same basis.....lb. .13¾- .15
Citrate, anhyd., dms.....lb. .62 - —
NF VIII, gran., dms.....lb. .26½- .27¼
USP, XIV gran., dms .....lb. .29½- .30½
Sodium citrate, USP, powd. prices higher. ½c
Cyanate, dms., 1,000-lb. lots, works lb. .85 - 1.10
smaller lots, works.....lb. 1.00 - 1.25
Cyanide flake, 96-98%, dms., c.l., or 20,000-lb. lots.....lb. .178 - —
over 1,000-lb. lots .....lb. .188 - —
100-lb. to 1,000-lb lots..lb. .198 - —
Granular sodium cyanide 1c. higher.

Iodide, USP, bots., dms.....lb. 2.55 - 2.62
Iodine, USP, bots., dms.....lb. 2.55 - 2.62
Iodoform, USP, bots., dms.....lb. 2.55 - 2.62
Isopropyl myristate, dms., c.l., works lb. .69 - —
Kaolin, bgs., c.l., works ton.15.00 - —
l.c.l., works.....ton.20.00 - —
Lactate, USP, bots., dms.....lb. .21 - .23
Lactic, USP, 22%, bots., dms.....lb. .07 - .08
USP, 44%, bots., dms.....lb. .11 - .12
USP, 85%, bots., dms.....lb. .23 - .25
Lactose, USP, bgs., c.l., works lb. .13 - —
l.c.l., works.....lb. .14 - —
Lanolin, USP, anhyd., bbls., works lb. .39 - —
Lauryl sulfate, dms., c.l., dlvd lb. .21 - —
l.c.l., dlvd.....lb. .22 - —
tanks, dlvd.....lb. .18½- —
Lead acetate, USP, bbls., works lb. .18 - —
l.c.l., works.....lb. .19 - —
Lead arsenate, powd., bbls., works lb. .23 - —
l.c.l., works.....lb. .24 - —
Lead nitrate, bbls., works lb. .19 - —
l.c.l., works.....lb. .20 - —
Lead oxide, litharge, bbls., works lb. .14 - —
l.c.l., works.....lb. .15 - —
Lead, red, bbls., works lb. .15 - —
l.c.l., works.....lb. .16 - —
Lead, white, bbls., works lb. .15 - —
l.c.l., works.....lb. .16 - —
Lecithin, USP, bbls., works lb. .39 - —
Lime, chemical, bgs., c.l., works ton.15.00 - —
l.c.l., works.....ton.20.00 - —
Lithium carbonate, USP, bots., dms. lb. .58 - —
Magnesium carbonate, USP, bgs., c.l., works lb. .08 - —
l.c.l., works.....lb. .09 - —
Magnesium chloride, USP, bbls., works lb. .05 - —
Magnesium hydroxide, USP, bgs., c.l., works lb. .08 - —
l.c.l., works.....lb. .09 - —
Magnesium oxide, USP, bgs., c.l., works lb. .08 - —
l.c.l., works.....lb. .09 - —
Magnesium peroxide, USP, bgs., c.l., works lb. .58 - —
Magnesium silicate, USP, bgs., c.l., works lb. .08 - —
l.c.l., works.....lb. .09 - —
Magnesium sulfate, USP, bgs., c.l., works 100 lbs. 2.00 - —
l.c.l., works.....100 lbs. 2.50 - —
Malate, USP, bots., dms.....lb. .55 - .60
Maleate, USP, bots., dms.....lb. .55 - .60
Mercuric chloride, USP, bots., dms. lb. 1.45 - 1.50
Mercurous chloride, USP, bots., dms. lb. 1.45 - 1.50
Methenamine, USP, bots., dms.....lb. .55 - .60
Methylene blue, USP, bots., dms.....lb. 1.45 - 1.50
Methyl salicylate, USP, bots., dms. lb. .55 - .60
Monoglyceride, dms., c.l., works lb. .39 - —
Myristate, isopropyl, dms., c.l., works lb. .69 - —
Naphthenate, bbls.....lb. .70 - —
Nitrate, crude, dom., bgs., c.l., works ton.47.00 - —
bulk, c.l., works ton.43.50 - —
imp., 100-lb. bgs., c.l., Atl. Gulf, Pac., whse ton.51.25 - —
bulk c.l. same basis ton.47.75 - —
USP, bbls., c.l., works, frt. equald lb. .08 - —
l.c.l., same basis .....lb. .09½- —
Orthosilicate, conc., dms., c.l., works 100 lbs. 6.30 - —
l.c.l., orks.....100 lbs. 6.65 - 7.25
hydrated, flake, bbls., c.l., works 100 lbs. 5.40 - —
l.c.l., works .....100 lbs. 7.30 - 7.65
Oxalate, 98% bgs., works 100 lbs.10.85 - —
Para-aminobenzoate (see Sodium p-Aminobenzoate).
Para-aminosalicylate (see Sodium p-Aminosalicylate).
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald lb. .26 - —
l.c.l., same basis .....lb. .27½- .34
pellets, bgs., c.l., same basis lb. .26 - —
l.c.l., same basis .....lb. .27½- .34
powd., bgs., dms., c.l., same basis lb. .25 - —
l.c.l., same basis .....lb. .26½- .33
Sodium pentachlorophenate, 20,000 lbs., min. truckloads, ¼c. per lb. over carlot prices.
Perborate, NF, tech., bgs., c.l., works lb. .173 - —
l.c.l., works .....lb. .178 - —
Sodium diacetate, 33-35% acidity, 250-lb. dms., works....lb. .13 - —
l.c.l., works .....lb. .15¾- —
anhyd., dms., c.l., works....lb. .18 - —
l.c.l., works .....lb. .18¾- —
Ferrocyanide, bgs., 10-ton lots lb. .13½- —
smaller lots. .....lb. .14 - —
Fluoride, white, 97%, fib. dms., c.l., works, frt. equald lb. .1390- —
l.c.l., works .....lb. .1430- —
Formate, bgs., c.l., works 100 lbs. 7.60 - —
l.c.l., works .....100 lbs. 8.65 - —
Gentisate, 100-lb. fib. dms.....lb. 8.50 - —
Gluconate, refd., dms. .....lb. .80 - .83
tech, dms. .....lb. .35 - —
Glutamate, mono., dms., c.l....lb. 1.20 - —
Hydride, dms., works .....lb. 1.80 - 3.00
Hydrosulfide (see Sodium sulfhydrate).
Hydrosulfite, dms., c.l., frt. alld. lb. .24 - —
l.c.l., frt. alld. .....lb. .24½- —
Hydroxide, NF, pellets, 100-lb. dms., 1 to 100-dm. lots lb. .18½- .23
technical (see Soda, Caustic).
Hydrophosphite, NF, dms., ton-lots or less lb. .95 - .98
Hyposulfite, NF (see Sodium thiosulfate).
pea crystals, bgs. .....100-lbs. 4.50 - —
gran., bgs., c.l., works 100 lbs. 4.75 - 5.00
Hyposulfite, photo grade, bgs., c.l., works 100 lbs. 4.50 - 4.75
l.c.l., works .....100 lbs. 5.00 - 5.03
tech., bgs., c.l., works..100 lbs. 4.50 - —
l.c.l., works.....100 lbs. 4.90 - —
Sodium hyposulfite crystals in bbls., 50c. higher.
Iodide, USP, bots., dms.....lb. 2.55 - 2.62
Lactate, edible, 50%, cbys., dms., works lb. .21½- —
60% cbys., dms. works lb. .26½- —
tech., 50%, cbys., dms., works.lb. .16½- —
Lauryl sulfate, dms., c.l., dlvd lb. .21 - —
l.c.l., dlvd.....lb. .22 - —
tanks, dlvd.....lb. .18½- —
Metabisulfite (see Sodium bisulfite).
Metaborate, octahydrate, gran., bgs., c.l., works ton.85.00 - —
l.c.l., ex whse.....ton.135.50 -140.50
Sodium metaborate octahydrate in bbls, $24.50 per ton higher.
Metaborate tetrahydrate, dms., c.l., works ton 204.00 - —
Metallic bricks, 14,000-lb. lots or more, works lb. .17 - .19
less than 14,000-lb. lots, works. lb. .175 - .195
tanks, works .....lb. .16 - —
Metanilate, bbls., frt. alld.....lb. .62 - —
Metasilicate, anhyd., bgs., c.l., works 100 lbs. 5.35 - —
l.c.l., works.....100 lbs. 5.70 - 7.65
dms., c.l.....100 lbs. 5.85 - —
l.c.l. .....100 lbs. 6.20 - 8.10
Pentahydrate, bgs., c.l., works. 100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.60 - 6.50
dms., c.l., works.....100 lbs. 4.75 - —
l.c.l., works.....1f lbs. 5.10 - 7.00
Molybdate, anhyd., dms., dlvd lb. .88 - —
cryst., dms., works.....lb. .69 - .73
Monohydrate (see Sodium carbonate monohydrated).
Naphthionate, bbls.....lb. .70 - —
Nitrate, crude, dom., bgs., c.l., works ton.47.00 - —
bulk, c.l., works ton.43.50 - —
imp., 100-lb. bgs., c.l., Atl. Gulf, Pac., whse ton.51.25 - —
bulk c.l. same basis ton.47.75 - —
USP, bbls., c.l., works, frt. equald lb. .08 - —
l.c.l., same basis .....lb. .09½- —
Orthosilicate, conc., dms., c.l., works 100 lbs. 6.30 - —
l.c.l., orks.....100 lbs. 6.65 - 7.25
hydrated, flake, bbls., c.l., works 100 lbs. 5.40 - —
l.c.l., works .....100 lbs. 7.30 - 7.65
Oxalate, 98% bgs., works 100 lbs.10.85 - —
Para-aminobenzoate (see Sodium p-Aminobenzoate).
Para-aminosalicylate (see Sodium p-Aminosalicylate).
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald lb. .26 - —
l.c.l., same basis .....lb. .27½- .34
pellets, bgs., c.l., same basis lb. .26 - —
l.c.l., same basis .....lb. .27½- .34
powd., bgs., dms., c.l., same basis lb. .25 - —
l.c.l., same basis .....lb. .26½- .33
Sodium pentachlorophenate, 20,000 lbs., min. truckloads, ¼c. per lb. over carlot prices.
Perborate, NF, tech., bgs., c.l., works lb. .173 - —
l.c.l., works .....lb. .178 - —

How Pennsalt helps caustic soda users

plan for tomorrow

By bringing you the latest word on buying and handling caustic soda,

Pennsalt gives you the jump on tomorrow's competition

As a major producer of caustic and many other basic chemicals, Pennsalt *must* know and does know the day-to-day developments in technology and markets affecting the caustic picture. ALL USERS OF CAUSTIC SODA, large and small, can learn a lot, *be saved a lot*, for their tomorrows through Pennsalt's new free counseling service. Pennsalt has answers to questions you may not even think of asking. How does this service, given today, keep you ahead of the game tomorrow? . . .

. . . through guidance in purchasing
You may be able to cut caustic costs considerably by changing grade, container, volume, purchasing schedule, or storage facilities. Pennsalt will help you decide what's best for you.

. . . through advice in handling and traffic
What's the safest, most economical method *for you* to handle caustic and other heavy chemicals? How to unload, dilute, store, pump, etc.? Materials for tanks, pipes? Pennsalt has the answers for you—free.

TRY US TODAY! Ward off, with Pennsalt's help, the unseen difficulties even the wisest caustic user encounters—let Pennsalt help you keep on top of your technical and purchasing problems before tomorrow comes! There's no obligation to you in calling the nearest Pennsalt office, or sending the coupon below.

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Pennsalt Chemicals

INDUSTRIAL CHEMICALS DIVISION

PENNSYLVANIA SALT MANUFACTURING COMPANY
Three Penn Center Plaza, Philadelphia 2, Pa.

Appleton, Wis.—Regent 3-9307
Chicago 1, Ill.—Andover 3-6170
Cincinnati 2, Ohio—Main 1-3168
Cleveland 2, Ohio—Main 1-6205
Decatur, Ga.—Evergreen 5064
Detroit 26, Mich.—Woodward 1-8051
Paterson 1, N. J.—Lambert 5-3500
Philadelphia 2, Pa.—Locust 4-4700
Pittsburgh 19, Pa.—Atlantic 1-5233
St. Louis 1, Mo.—Central 1-2338
Tacoma 2, Wash.—Market 9101

Industrial Chemicals Division
Pennsylvania Salt Manufacturing Company
Three Penn Center Plaza
Philadelphia 2, Pa.

Please send a representative to discuss with me our company's plans for tomorrow involving heavy industrial chemicals.

Name.....Title.....
Company.....
Address.....
City.....Zone.....State.....

Sodium peroxide, dms., c.l., dlvd. E. of Miss..lb. .1860- —
l.c.l., same basis.....lb. .1910- .196(
Phenolsulfonate, USP IX, gran., dms..lb. .44 - .45
Phosphate, dibasic, anhyd., bgs., c.l., frt. equald..100 lbs. 7.65 - —
l.c.l., works.....100 lbs. 8.05 - —
USP dried powd. bgs., dms., works..lb. .19 - .20½
monobasic anhyd., bgs., c.l., frt. equald..100 lbs. 8.70 - —
l.c.l., frt. equald..100 lbs. 9.10 - 9.70
duohydrate, bgs., c.l., frt. equald..100 lbs. 7.20 - —
l.c.l., frt. equald..100 lbs. 7.60 - 8.20
tribasic, anhyd., bgs., c.l., frt. equald..100 lbs. 8.65 - —
l.c.l., frt. equald..100 lbs. 9.05 - 9.65
cryst., bgs., c.l., t.l., frt. equald..100 lbs. 4.40 - —
l.c.l., frt. equald..100 lbs. 4.80 - 5.40
Sodium phosphates in dms., 60c. higher than bgs.
Prussiate, yellow (see sodium ferrocyanide).
Pyrophosphate, acid, bgs., c.l., works, frt. equald..100 lb.10.85 - —
l.c.l., works .....100 lbs.11.60 -11.85
ferric, dms., c.l., t.l., works, lb .36 - —
l.c.l., works .....lb. .37 - .39
tetrabasic, anhyd., bgs., c.l., works, frt. equald..100 lbs. 7.52½- —
l.c.l., frt. equald....100 lbs. 7.92½- 8.52½
Salicylate, USP, dms.....lb. .74 - .76
Sesquicarbonate, bgs., c.l., works, 100 lbs. 2.25 - —
l.c.l., dlvd., zone 1....100 lbs. 4.00 - 4.25
zone 2.....100 lbs. 4.25 - 4.50
zone 3.....100 lbs. 4.65 - 4.80
zone 4.....100 lbs. 5.25 - 5.50
Sales zones are: (1) Atl. States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex. E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark. E. of 98° Ga.; Iowa (except Davenport), Minn., Mo. (except St. Louis), Neb., E. of 98° N. C. S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 96°, Kan. Neb. W. of 98°; N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls, excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo. and El Paso, Tex.
Sesquisilicate, hydrated, bgs., c.l., works..100 lbs. 4.80 - —
l.c.l., works.....100 lbs. 5.15 - —
dms., c.l., works..100 lbs. 5.30 - —
l.c.l., works.....100 lbs. 5.65 - —
Silicate, liq., 40° Be, 1:3.2, turbid, dms., c.l., works..100 lbs. 1.45 - —
l.c.l., works...100 lbs. 1.80 - 2.30
tanks, works.....100 lbs. 1.10 - —
47° Be, turbid, 1:2.9, dms., c.l., works.....100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.70 - 2.95
tanks, works.....100 lbs. 1.75 - —
52° Be, turbid, 1:2.4, dms., c.l., works..100 lbs. 2.45 - —
l.c.l., works....100 lbs. 2.80 - 3.30
tanks, works....100 lbs. 2.10 - —
solid, 1:3.2, bgs., works....ton.62.50 - —
Silicofluoride, bgs., c.l., works..lb. .075 - —
l.c.l., works.....lb. .079 - —
Sodium silicofluoride in dms., 0.4c. per lb. higher.
Stannate, dms., works, frt. alld. E..lb. .575 - .629
Sulfa drugs (see Sulfa name).
Sulfanilate, bbls., works.....lb. .22 - —
Sulfate, NF, VII, dried, powd., dms..lb. .22½- —
tech., anhyd., bgs., c.l., dlvd. E..ton.52.00 - —
detergent, rayon grade, bgs., c.l., works..ton.34.00 - —
bulk, c.l., works..ton.31.00 - —
USP, cryst., fib. dms.....lb. .17½- .18
gran., fib. dms.....lb. .17½- .18
Sulfhydrate, flake, 70-72%, dms., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07½- —
liq., 40-44%, tanks, works, 100% basis..ton.115.00 - —
Sulfide, flake, dms., c.l., works, E., frt. equald..lb. .05¼- —
l.c.l., same basis.....lb. .06¼- —
fused, bbls., c.l., works E., frt. equald..lb. .04¾- —
l.c.l., same basis.....lb. .05¼- —
Sulfite, anhyd., bgs., c.l....100 lbs. 3.00 - —
l.c.l., same basis.....100 lbs. 3.50 - —
Sulfocyanide, CP (see Sodium thiocyanate).
Tetraborate (see Borax).
Tetrasulfide, liq., 40%, dms., c.l., works..lb. .03½- —
l.c.l., works.....lb. .04½- —
Thiocyanate, CP, dms.....lb. .55 - .65
tech., anhyd., dms., 1 ton lots or more, works..lb. .317 - —
less than ton lots, works..lb. .337 - —
Thiosulfate, NF, cryst., bbls....lb. .12½- —
tech. (see Sodium hyposulphite).
Titanate, ctns., c.l., works.....lb. .10½- —
5-ton lots, works.....lb. .10¾- —
1-ton or less, works.....lb. .11 - —
Toluene sulfonate, dms., c.l., or t.l..lb. .38 - —
l.c.l. .....lb. .42 - —
Trichloroacetate, 90%, 100 lb. dms., c.l., frt. alld. E..lb. .37½- —
l.c.l., frt. adjusted, E....lb. .39½- —
50 lb. dms., c.l., frt. alld E. lb. .38 - —
l.c.l., frt. adjusted E....lb. .40 - —
10-lb. cns., c.l., frt. alld. E. lb. .44 - —
l.c.l., frt. adjusted E.....lb. .46 - —
Prices on Sodium trichloroacetate W. of the Rockies are 1¾c. per pound higher.
Tripolyphosphate, bgs., c.l., works, frt. equald..100 lbs. 7.87½- —
l.c.l., same basis.....100 lbs. 8.27½- 8.87½
Trisilicate, powd., 1:3.2, bgs., c.l., works..100 lbs. 8.65 - —
l.c.l., works .....100 lbs. 9.40 - 9.80
dms., c.l., works.....100 lbs. 9.05 - —
l.c.l., works .....100 lbs. 9.80 -10.30
Tungstate, tech., kgs., dlvd. E..lb. 2.15 - —
Sodium-ammonium phosphate, bbls., works, frt. equald..lb. .23 - —
Sodium-carboxymethyl cellulose (see CMC).
Sodium-cinchophen (see Cinchophen-sodium).
Sodium-formaldehyde sulfoxylate, dms., c.l., dlvd..lb. .21 - —
l.c.l., same basis.....lb. .21½- —
Sodium-zirconyl sulfate, fiber dms., 1,000-lb lots or more works..lb. .28 - —
smaller lots, same basis..lb. .30 - —
Solvent naphtha, coaltar, high flash, tanks, frt. equald..gal. .31 - .32
petroleum (see Petroleum solvent, partial aromatic).
Sorbitan monostearate, fib. dms., 20,000-lb. lots, works..lb. .32 - —
10,000 to 20,000-lb. lots, works, lb. .34 - —
smaller lots, works.....lb. .37 - .39
Tristearate, fib. dms., 20,000-lb. lots, works..lb. .33 - —
10,000 to 20,000-lb. lots, works, lb. .35 - —
smaller lots, works.....lb. .38 - .40
Sorbitol, cryst., resin grade, pellets, dms., c.l., works..lb. .23 - —
1 to 5-ton lots, works.lb. .25 - .26
powd., dms., 1 to 5-ton lots, works..lb. .38 - .39
soln., coml., aqueous, dms., c.l., works..lb. .24¼- —
ton lots, works .....lb. .25 - —
smaller lots, works....lb. .25¼- —
tanks, works.....lb. .23¼- —
Sorbitol, soln., reg. 70% aqueous, dms., c.l., works.....lb. .16 - —
ton lots, works .....lb. .16¾- —
smaller lots, works..lb. .17 - —
tanks, works .....lb. .15 - —
Soybean meal, 44%, bulk, Decatur, ton.52.00 -53.00
protein, chemically isolated, bgs., c.l., works..lb. .23 - —
mechanically refd., bgs., l.c.l., works..lb. .066 - —
Sparteine sulfate, cns.....oz. .80 - .85
Spearmint leaves, dom., bls.....lb. .75 - —
Spruce extract, liq., reg. tanks, works..lb. .01¾- —
powd., super, bgs., c.l., works..lb. .05¼- —
l.c.l., works .....lb. .05½- —
Squill, white, bls.....lb. .16 - .18
powd., bbls., bxs.....lb. .17 - .20
St. John's bread, edible, bls....lb. .13 - .15
Stannic chloride, anhyd., dms., works..lb. .79 - .80
Oxide, dms., dlvd. E.....lb. .97 - .98
Stannous chloride, anhyd., dms., works..lb. .915 - 1.183
hydrous, cryst., dms., works..lb. .80 - .81
Sulfate, dms., works.....lb. .97 - .99
Starch, corn, pearl, paper bgs., c.l., 100 lbs. 7.27 - —
l.c.l. .....100 lbs. 7.42 - —
powd., paper bgs., c.l....100 lbs. 7.39 - —
l.c.l. .....100 lbs. 7.44 - —
Prices for corn starch in cotton bags, 15c. per 100 lbs. higher.
Potato, dom., Idaho, bgs., c.l., works..lb. .06¼ - —
Maine, bgs., c.l., works....lb. .07¾- Nom
ex whse, N. Y.....lb. .08¾- .10
Rice, bgs., l.c.l.....lb. .15½- .16
Wheat, bgs.....lb. .08½- .09
Star root (see Helonias root).
Stargrass Root (see Aletris root).
Stavesacre seed, bgs.....lb. .60 - .61
Stearine oleo (see Oleostearine).
Stramonium leaves, bgs.....lb. .18 - .20
Streptomycin hydrochloride, bulk, gram. .07 - .0745
Strontium bromide, NF, cns., dms., lb. .80 - 1.05
Carbonate, pure, dms., 5-ton lots or more, works..lb. .35 - —
1-ton lots, works.....lb. .37 - —
tech., dms., works .....lb. .19 - —
Chromate, bbls., works.....lb. .46 - —
Iodide, pars, 25-lb. lots.....lb. 3.42 - —
Nitrate, bbls., c.l., works..100 lbs.11.00 - —
l.c.l., works .....100 lbs.12.00 - —
Salicylate, NF, dms.....lb. 1.78 - —
Sulfate, air floated, 90%, 325 mesh, bgs., works..ton.56.70 -66.15
Strophanthin, K., bots.....oz.25.00 -25.50
G. (see Ouabain, USP).
Strophanthus seed, Kombl, biologically tested, bgs..lb. 3.50 - 3.75
Strychnine, NF, powd., cns., 100-oz. lots..oz. 1.10 - —
Phosphate, NF, cns., 100-oz. lots.oz.1.14 - —
Sulfate, USP, cryst., cns., 25-oz. lots..oz. .96 - —
powd., 100-oz. lots.....oz. .85 - —
Styrax, USP, cs.....lb. .78 - .80
Styrene monomer, polymer grade, 99½%, dms., c.l., frt. alld. lb. .22½- —
l.c.l., same basis.....lb. .23½- —
tanks, same basis.....lb. .21½- —
synthetic rubber grade, 99%, dms., c.l., frt. alld..lb. .18 - —
l.c.l., same basis.....lb. .19½- —
tanks, same basis.....lb. .16 - —
Styrolyl acetate, bots.....lb. 1.45 - 1.70
Sucrose, crude, bgs., dlvd., N. Y. lb. .0553- —
refd., white, bgs., refy., E....lb. .0655- —
Octa-acetate, denaturing grade, 100-200-lbs., bgs., l.c.l., works..lb. .70 - —
Sugar (see Sucrose, cruce, refined).
Sulfabenzamide, dms.....lb. 4.00 - 4.50
Sodium, dms.....lb. 4.10 - 4.60
Sulfacetamide, fib. dms.....lb. 4.00 - 4.20
Sodium, fib. dms.....lb. 5.00 - 5.20
Sulfadiazine, USP, microcrystals, dms..lb.10.60 -11.10
powd., dms.....lb.10.25 -10.75
Sulfadiazine-sodium, USP, dms..lb.11.25 -11.75
microcrystals, dms. .....lb.11.60 -12.10
Sulfaguanidine, USP, dms.....lb. 2.50 - —
Sulfamerazine, USP, microcrystals. lb.10.65 -11.15
Sulfamerazine-sodium, USP, dms., lb.11.25 -11.75
Sulfamethazine, microcrystals, dms., lb. 8.90 - 9.40
powd., dms.....lb. 8.50 - 9.00
Sulfanilamide, USP, 30-80 mesh., dms..lb. 1.40 - 1.60
microcrystals, dms. .....lb. 1.70 - 1.90
powd., dms.....lb. 1.30 - 1.50
Quinoxaline, veterinary, dms..lb. 6.40 - 6.75
Sulfapyridine, NF, powd., bots., tins, lb. 7.00 - 7.50
Sulfapyridine-sodium, monohydrate, dms..lb. 7.50 - 8.00
Sulfathiazole, USP, microcrystals, dms..lb. 2.85 - 3.00
powd., dms.....lb. 2.50 - 2.65
Sulfathiazole-sodium, USP, dms..lb. 2.75 - 2.90
Sulfur, coml., flour, bgs., mines..100 lbs. 2.30 - —
bbls., mines .....100 lbs. 3.05 - —
lump, bgs., mines.....100 lbs. 2.20 - —
bbls., mines.....100 lbs. 2.65 - —
crude, bulk, c.l., mines, contract, long-ton.26.50 - —
export, f.o.b. vessels, Gulf ports..long-ton.28.00 - —
domestic and Canada, f.o.b. vessel Gulf port..long-ton.28.00 - —
Sulfur, refd., flowers, USP, bgs., mines..100 lbs. 4.00 - —
bbls. .....100 lbs. 5.25 - —
flour, light, bgs., mines..100 lbs. 3.60 - —
bbls., mines.....100 lbs. 4.50 - —
lump, bgs., mines.....100 lbs. 3.30 - —
rolls, bgs., mines.....100 lbs. 3.85 - —
bbls., mines .....100 lbs. 4.40 - —
salt block, bgs., mines..100 lbs. 3.50 - —
virgin block, bbls., mines. 100 lbs. 3.45 - —
rubbermakers, coml., reg., bgs., mines..100 lbs. 2.40 - —
bbls., mines .....100 lbs. 3.55 - —
98-100% passing through 325 mesh, bgs., mines 100 lbs. 2.50 - —
bbls., mines.....100 lbs. 3.65 - —
refd., bgs., mines.....100 lbs. 3.25 - —
bbls., mines .....100 lbs. 4.30 - —
treated, 2.5% mineral oil, bgs., mines..100 lbs. 2.70 - —
bbls., mines..100 lbs. 3.85 - —
10% pine tar, bgs., mines. 100 lbs. 3.90 - —
Dichloride, dms., c.l., works, frt. equald..lb. .04 - —
l.c.l. same basis.....lb. .04¾- —
tanks, same basis.....lb. .03¾- —
Dioxide, liq., coml., cyls., works, frt. equald..lb. .10 - .12
multi unit cars, works..lb. .0535- —
tanks, works .....lb. .045 - —
refrigeration, 150-lb. cyls., dlvd. lb. .30 - —
Monochloride, 55-gal. dms., c.l., frt. equald..lb. .04 - —
l.c.l., same basis.....lb. .04¾- —
tanks, same basis .....lb. .03¾- —
Sumac leaves, 28% tannin, bgs., ex-dock..ton.126.00 -128.00
ground, bgs., ex-dock....ton.122.00 -124.00
Superphosphate, run-of-pile, under 22% a.p.a. pulv., bulk, c.l., Balto., unit-ton. .88 - .91
Carteret, N. J. unit-ton. .88 - .91
triple, 48% or more, a.p.a., pulv., bulk, c.l., East Tampa, Fla. unit-ton. .98 - —

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2,4,5-T, dms., c.l., works, frt. equald. lb. 1.18 - —
l.c.l., same basis.....lb. 1.25 - —
Isopropyl ester, dms., c.l., works, frt. equald..lb. 1.24 - —
l.c.l., works .....lb. 1.29 - —
Talc, dom., ord., Calif., grd., bgs., c.l., works ton.33.00 -39.50
Vermont off color grd., bgs., c.l., works..ton.19.40 - —
l.c.l., works .....ton.37.00 - —
fibrous, New York, grd., bgs., c.l., works..ton.28.00 - —
l.c.l., works .....ton.31.00 -36.00
99.5%, 325 mesh, bgs., c.l., works..ton.31.00 - —
l.c.l., works .....ton.34.00 - —
99.95% micronized, bgs., works..ton.38.00 - —
Imp., Canadian, grd., bgs., c.l., mines ton.20.00 45.00
Tallow, edible, tanks, dlvd .....lb. .10¼- .10½
inedible, extra, tanks, dlvd ...lb. .07½- .07¼
fancy, bleachable, tanks, dlvd., lb. .07¼- .07⅜
guaranteed, dms., f.a.s....lb. .08⅝- —
No. 1, tanks, dlvd .....lb. .06½- .06⅝
special tanks, dlvd .....lb. .06¾- .06⅞
sulfonated, 25%, bbls., l.c.l..lb. .08¾- .09
50%, bbls., l.c.l. .....lb. .09¾- .10¼
Tankage, animal, feeding, 9-11% ammonia, bulk..unit-ton. 4.75 - —
Chicago, bulk..unit-ton. 5.50 - —
Tapioca flour, Brazilian bgs., ex whse lb. .09 - .10½
Siamese, medium, bgs., ex whse. lb. .06 - .06½
Tar acid oil, 15-18%, dms., c.l., frt. equald..gal. .47 - .49
l.c.l., same basis .....gal. .50 - .51
tanks, same basis .....gal. .39 - —
25-28%, dms., c.l., same basis, gal. .54 - .56
l.c.l., same basis .....gal. .57 - .58
tanks, same basis .....gal. .46 - —
50-53%, dms., c.l., same basis, gal. .70 - .72½
l.c.l., same basis .....gal. .73½- .74½
tanks, same basis.....gal. .62½- —
Coal (see Coaltar).
Tartar, emetic (see Antimony-potassium tartarate).
Terpine glycol ether, dms., c.l., works..lb. .23½- —
l.c.l., works.....lb. .25½- —
tanks, works.....lb. .22 - —
Hydrate, NF, cryst., powd., fib. dms..lb. .67½- .74
Terpinol, dms., l.c.l., dlvd E..lb. .23¾- —
extra, dms.....lb. .41 - .60
prime, dms.....lb. .30 - .45
Terpinyl acetate, extra, cns., dms..lb. .60 - .75
prime, dms.....lb. .55 - .70
Propionate, dms.....lb. 1.75 - 4.00
Terra alba (see Gypsum).
Testosterone, USP, 100-gm. lots, bots gram. .70 - —
Propionate, USP, 100-gm. lots, bots gram. .68 - —
Tetrachloroethane, dms., works..lb. .14½- —
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Tetrachloroethylene, tech (see Perchloroethylene).
USP, 55 gal. dms., works.....lb. .20½- .21½
smaller dms., works .....lb. .23½- .25
Tetraethyl orthosilicate, dms., c.l., dlvd. E..lb. .61½- —
l.c.l., dlvd. E .....lb. .62½- —
Pyrophosphate, 40%, cns., dms., frt. equald..lb. .75 - —
Tetraethylenepentamine, dms., c.l., dlvd. E..lb. .49 - —
l.c.l., dlvd. E.....lb. .50 - —
tanks, dlvd. E.....lb. .47 - —
Tetrahydrofuran, dms., c.l., or t.l., works..lb. .36½- —
l.c.l., or t.l., works .....lb. .37 - —
tanks, works.....lb. .35 - —
Tetrapotassium phosphate (see Potassium phosphate).
Thallium metal, dlvd.....lb.12.50 -15.00
Sulfate, 99%, bots., dlvd.....lb. 8.00 -13.00
Theobromine, NF, fib. dms.....lb. 3.25 - —
And sodium acetate, USP, fib. dms..lb. 4.00 - —
Sodio-Salicylate, NF, fib. dms..lb. 3.30 - —
Theophylline, anyhd. or USP, 100-lb. dms..lb. 3.65 - —
Thiamine hydrochloride, USP, regular, fib. dms..kilo.60.00 - —
ampule grade, fib. dms..kilo.62.00 - —
Mononitrate, USP, fib. dms..kilo.62.00 - —
Thiocarbanilide, dms., ton lots...lb. .72 - —
less tons lots.....lb. .74 - —
Thiodiphenylamine (see Phenothiazine).
Thiourea, tech., bgs., t.l., frt. alld. lb. .33 - —
l.c.l., frt. alld.....lb. .35 - —
Thorium nitrate, purif., fib. dms., 100-lb. lots or more, works..lb. 3.50 - —
dl-Threonine, bots., 1-kilo lots, kilo.450.00 -500.00
Thyme leaves, French, bgs.....lb. .19 - .22½
Spanish, bgs. .....lb. .09 - —
Thymol, fib. dms.....lb. 2.50 - 2.75
Iodide, NF, dms. .....lb. 7.30 - —
Timbo root (see Cube root)
Tin chloride (see Stannous chloride, anhydrous).
crystals (see Stannous chloride, hydrous).
Oxide (see Stannic oxide).
Metal (Straits) .....lb. .98¾- —
Sulfate (see Stannous sulfate).
Tetrachloride anhyd., (see Stannic chloride, anhydrous).
Titanium dioxide anatase, chalk-resistant, bgs., c.l., dlvd..lb. .24½- —
l.c.l., dlvd. .....lb. .25½- —
ceramic, bgs., c.l., dlvd.....lb. .22½- —
l.c.l., dlvd. .....lb. .23½- —
reg., bgs., c.l., dlvd.....lb. .22½- —
l.c.l., dlvd. .....lb. .23½- —
metallurgical, nat., gran., bgs., c.l., f.o.b. Jacksonville, Fla..ton.120.00 - —
Niagara Falls, N. Y., c.l., ton.137.50 - —
5-ton lots .....ton.142.50 - —
ton lots .....ton.147.50 - —
rutile, nonchalkings, bgs., c.l., dlvd. E..lb. .26½- —
l.c.l., dlvd. E. .....lb. .27½- —
Milled titanium dioxide, $7.50 per ton higher.
Hydride, cns., works.....lb. 7.95 - 9.00
Pigment, calcium-rutile base, reg., bgs., c.l., dlvd.....lb. .09¼- —
l.c.l., works .....lb. .09¾- —
high-tinting, dms., c.l. .....lb. .09 - —
l.c.l. .....lb. .09½- —
Tetrachloride, tech., dms., c.l., works..lb. .40¾- —
l.c.l., works .....lb. .43¾- —
tanks, works .....lb. .39¾- —
dl-a-Tocopherol, bots. .....kilo.149.65 - —
Acetate .....kilo.136.00 - —
Acetate .....kilo.185.00 - —
Acid succinate .....kilo.165.00 - —
o-Tolidine, base, paste, kgs., 100% basis..lb. 1.35 - —
dry, kgs., 100% basis.....lb. 1.40 - —
Hydrochloride, paste, kgs., 100% basis..lb. 1.35 - —
Tolu balsam, cns .....lb. 4.25 - 4.50
Toluene (see Toluol).
p-Toluenesulfonamide, powd., dms., works lb. .70 - —
m-Toluidine, dms., c.l., works, frt. alld..lb. .79 - —
l.c.l., same basis.....lb. .80 - —
tanks, same basis.....lb. .78 - —
o-Toluidine, dms., c.l., works, frt. alld..lb. .23 - —
l.c.l., same basis.....lb. .24 - —
tanks, same basis.....lb. .22 - —
p-Toluidine, flake, dms., frt. alld..lb. .64 - —
solid, dms., frt. alld .....lb. .60 - .61
Toluol, coaltar, indust. or nitration, tanks, works:—
Bethlehem, Pa .....gal. .32 - —
Birmingham dist.....gal. .32 - —
Chicago, dist .....gal. .32 - —
Cleveland dist.....gal. .32 - —
Geneva, Utah .....gal. .26 - —
Johnstown, Pa.....gal. .32 - —
Lackawanna, N. Y.....gal. .32 - —
Lone Star, Tex.....gal. .33 - —
Lorain, Ohio .....gal. .32 - —
Middletown, Ohio....gal. .33½- —
Minnequa, Colo. .....gal. .32 - —
Philadelphia dist.....gal. .32 - —
Pittsburgh dist.....gal. .32 - —
Sparrows Point, Md..gal. .32 - —
Terre Haute, Ind .....gal. .35 - —
Youngstown, Ohio .....gal. .32 - —
petroleum, indust., 2°, tanks, works:—Albany, N. Y..gal. .35 - —
Bayonne, N. J.....gal. .34 - —
Baytown, Tex.....gal. .33 - —
Chicago, Ill.....gal. .35 - —
Detroit, Mich .....gal. .35 - —
Houston, Tex.....gal. .33 - —
Philadelphia, Pa.....gal. .34 - —
Providence R. I.....gal. .35 - —
Wood River, Ill.....gal. .25 - —
2,4-Tolylenediamine, cryst., fib. dms., c.l., frt. alld..lb. .97 - —
l.c.l., frt. alld .....lb. 1.00 - —
powd., fib. dms., same basis..lb. 1.00 - —
Tonka beans, Angostura, cks.....lb. 1.65 - 1.80
Brazilian, Surinam, cs .....lb. 1.00 - 1.25
Totaquine 100-oz. lots, cns .....oz. .42 - —
Toxaphene, dms., c.l., t.l., works. lb. .21 - —
l.c.l., l.t.l., works.....lb. .27 - —
Triacetin, dms., c.l., dlvd. E. of Rockies..lb. .39 - —
l.c.l., same basis.....lb. .40 - —
tanks, same basis.....lb. .37 - —
Tributyl citrate, tech., non-ret. dms., c.l., frt. alld. E. of Denver..lb. .42½- —
l.c.l., frt. alld. E. of Denver. lb. .43½- —
tanks, frt. alld. E. of Denver. lb. .40 - —
Phosphate, dms., c.l., works...lb. .52½- —
l.c.l., same basis.....lb. .53½- —
tanks, same basis .....lb. .50 - —
Tributylamine, dms., c.l., works..lb. .67½- —
l.c.l., same basis.....lb. .68½- —
tanks, same basis .....lb. .65 - —
Trichlorobenzene, dms., c.l., frt. alld. E..lb. .14½- —
l.c.l., frt. alld. E.....lb. .15½- —
tanks, frt. alld. E.....lb. .13 - —
Prices in the West 1¾c. higher.
Trichloroethylene, dms., c.l., or t.l., works, frt. equald..lb. .12½- —
l.c.l., dlvd. E. .....lb. .14½- —
tanks, works, frt. equald.....lb. .11¼- —
1,1,1-Trichloroethane, dms., c.l., works..lb. .13½- —
l.c.l., works .....lb. .14¼- .16¼
tanks, works .....lb. .11½- .12½
Tricholine citrate, 85% soln., ret. cbys., works, frt. adjusted lb. 1.40 - 1.45
Tricresyl phosphate, coaltar, dms., c.l., dlvd..lb. .37 - —
l.c.l., dlvd .....lb. .38 - —
tanks, dlvd .....lb. .34½- —
petroleum, dms., c.l., dlvd..lb. .36½- —
l.c.l., dlvd. .....lb. .37½- —
tanks, dlvd. .....lb. .34½- —
Triethanolamine, dms., c.l., dlvd. E..lb. .24½- —
l.c.l., same basis.....lb. .25½- —
tanks, same basis.....lb. .22 - —
Triethylamine, dms., c.l., works, dlvd. E..lb. .49 - —
tanks, same basis.....lb. .46½- —
Triethyl citrate, refd., tech., non-ret. dms., c.l., frt. alld. E. of Denver..lb. .45¾- —
l.c.l., frt. alld. E. of Denver. lb. .46¾- —
tanks, frt. alld. E. of Denver. lb. .43¾- —
Phosphate, dms., c.l., dlvd..... .40½- —
l.c.l., dlvd .....lb. .41½- —
tanks, same basis.....lb. .38 - —
Triethylene glycol, dms., c.l., dlvd. E..lb. .21 - —
l.c.l., same basis.....lb. .22 - —
tanks, same basis.....lb. .18½- —
Triethylenetetramine, dms., c.l., dlvd. E..lb. .51½- —
l.c.l., dlvd. E. .....lb. .52½- —
tanks, dlvd. E. .....lb. .49 - —
Tri-isopropanolamine, dms., c.l., dlvd. E..lb. .23¼- —
l.c.l., dlvd. E. .....lb. .24¼- —
tanks, dlvd. E.....lb. .20¾- —
Trimethylamine 25-40% soln., dms., c.l., works, frt. equald., 100% basis..lb. .42 - —
l.c.l., works, frt. equald, 100% basis..lb. .42½- —
tanks, works, frt. equald., 100% basis..lb. .33 - —

Trioxane, pure, dms., c.l., t.l., dlvd. E lb. .50 - —
l.c.l., dlvd. E. lb. .51½- —
Tripentaerythritol, ogs., l.c.l., works. lb. .35 - —
Triphenyl phosphate, bbls., c.l., frt. equald lb. .40 - —
l.c.l., frt. equald lb. .41 - —
Triphenylguanidine, bbls., works lb. .90 - —
Tripropylene glycol, dms., c.l., frt. alld E lb. .20½- —
l.c.l., frt. alld. E lb. .21½ - —
Tripopylene glycol prices 1c. per lb. higher in West.
Phosphate (see Sodium phosphate tribasic).
Tyrothricin, USP, bots gram. .75 - .85
dl-Tryptophane, fib. ctns., works. kilo.165.00 - —
Tungsten metal powd., 2-5 microns, dms., works lb. 4.85 - —
Turpentine, gum (see Protective Coatings market, Naval Stores).

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Urea, 46% N, indust., bgs., c.l., t.l., dlvd. E ton.120.00 - —
l.c.l. dlvd. E. ex whse ton.140.00 - —
45% N, agricultural, bgs., c.l., (30 tons), dlvd., E ton.105.00 - —
Urea-ammonia liquor, A and B grades N basis, tankcars, Belle, W. Va. ton.126.00 - —
Urea-ammonia, liquor, C grade, tankcars, same basis ton.124.50 - —
37 grade tankcars, same basis. ton.153.00 - —
Urethane, USP, dms. lb. 1.45 - —
Uva-ursi leaves, bls. lb. .12 - .14

V

Valerian root, Belgian, bgs. lb. .32 - —
dl-Valine, dms., works lb.21.00 -27.50
Valonia beards, 40-42% tannin, bgs., ex dock ton.81.00 Nom.
cups, 28-30% tannin, bgs., ex-dock ton.57.00 - —
extract, powd., 63% tannin, bgs., ex-dock, duty extra lb. .09¼- —
Vanadium pentoxide, tech., dms., works lb. 1.28 - 1.33
Vanilla beans, Bourbon, tins lb. 9.00 - 9.50
Mexican, cuts, tins lb. 8.50 - 9.00
whole, tins lb. 9.25 - 9.75
Tahiti, cs lb. 7.00 - —
Vanillin ex eugenol, tins, 25-lb. lots. lb. 6.50 - 6.75
smaller lots lb. 6.90 - 7.25
ex lignin, dms., 100-lb. lots. lb. 2.75 - —
smaller lots lb. 2.80 - 2.85
Vinyl acetate monomer, 55-gal. dms., c.l., dlvd. E lb. .19 - —
l.c.l., dlvd. E. lb. .20 - —
tankcars, dlvd. E lb. .16½- —
tanktrucks, less than 4,000 gal., dlvd. E lb. .17½- —
n-Butyl ether, tech., dms., c.l., works lb. .28 - —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Chloride monomer, tanks, works. lb. .11 - .12
Ether, USP, anesthesia, bots., 50 c.c., hospitals bot. 1.12 - —
75 c.c. bot. 1.56 - —
tech., dms., c.l., works lb. .26 - —
l.c.l., works lb. .28 - —
tanks, works lb. .25 - —
Isobutyl ether, tech., dms., c.l., works lb. .28 - —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Methyl ether, cyls., works lb. .23 - —
tanks, works lb. .20 - —

Cylinders are sold outright, or if shipped against deposit, a free period of 60 days is allowed; and if empties are returned prepaid and in good condition within that period, full refund is made.

Propionate monomer, dms., c.l., dlvd. lb. .49 - —
l.c.l., same basis lb. .50 - —
tanks, same basis lb. .47 - —
Trichloride (see Trichloroethane).
2-Vinylpyridine, 10 dms. to tanks, works lb. 1.36 - —
1 to 9 dms., works lb. 1.50 - —
tanks, works lb. 1.33 - —
Vinyltoluene, dms., c.l., frt. alld lb. .18½- —
l.c.l., frt. alld. lb. .19½- —
tanks, frt. alld. lb. .16 - —
Viosterol, in alcohol, 1,000,000 D units per gram, bots., lots of 10 billion USP units, 1,000,000 units. .025 - —
lots of 1 billion USF units, 1,000,000 units. .03 - —
lots of less than 1 billion USP units 1,000,000 units. .035 - —
in nat. vegetable oil, 400,000 to 1,000,000 D units per gram, bots., lots of 10 billion USP units 1,000,000 units. .02 - .04¾
lots of 1 billion USP units, 1,000,000 units. .025 - .05¼
lots of less than 1 billion USP units, 1,000,000 units. .03 - .05¾
Vitamin A acetate, syn., crystalline, beads, 500,000 A units per gram gram. .07¼- —
dry, 500,000 units per gram, kilo lots kilo.67.50 - —
325,000 units per gram, same basis kilo.43.88 - —
250,000 units per gram, same basis kilo.33.75 - —

Dry vitamin A acetate in less than kilo lots, $2.50 per kilo higher in all potencies.

liq., in oil, 1,000,000 A units per gram 1,000,000 units. .10 - —
Palmitate, liq., 1,000,000-1,800,000 A units per gram 1,000,000 units. .10 - —
in oil, 1,000,000 A units per gram 1,000,000 units. .10 - —
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B_c complex natural (see Rice bran concentrate and Yeast).
B_{12}, crystalline, 1-gram or 5-gram vials gram.245.00 - —
oral grade solids, in containers of 1 and 5 grams of B_{12} activity gram.185.00 - —
C (see Acid, ascorbic).
D (see Oils, codliver and fish-liver Calciferol, and Viosterol)
D_2, dry 850,000 units per gram, kilo lots kilo.42.50 - —
less than kilo lots kilo.45.00 - —
E (see a-Tocopherol and Oil, wheat germ).
G (see Riboflavin).
H (see Biotin).
K Active (see Menadione).
K_1, 25 gram bots gram. 4.50 - —
Violet methyl toner (see Blue methylviolet toner)
V.M.&P. naphtha (see Petroleum naphtha).

W

Wahoo root, bark, bls. lb. 2.25 - —
Warfarin, 0.5%, dms., 50-lb. lots, dlvd lb. 1.93 - —
25-49-lb. lots, N. Y. or Chicago. lb. 2.05 - —
5-24-lb. lots, cns., N. Y. or Chicago lb. 2.15 - —
Wattle bark, fair average, African, bales, ex dock ton.95.00 -96.00
merchantable bales, ex dock ton.91.00 -92.00
extract, liq., 35% tannin, bbls. lb. .08¼- .08⅝
solid, E. Africa, 60% tannin, bgs., ex dock, duty extra lb. .09⅞- —
S. Africa, 60% tannin, bgs., ex dock, duty extra lb. .10 - —
Wax, amorph, (see Wax microcrystalline).
Bayberry, bgs lb. .45 - .47
Bees, crude, African, bgs lb. .68 - .69
Brazilian, bgs lb. .69 - .70
Central American, bgs lb. .67 - .68
Chilean, bgs lb. .69 - .70
refd., USP, bleached, white bricks, 100-lb. ctns lb. .78 - .80
slabs, 100-lb. ctns lb. .77 - .79
yellow, bricks, 100-lbs. ctns. lb. .69 - .70
slabs, 100-lb. ctns lb. .68 - .70
Candelilla, crude, bgs lb. .72 - .73
refd., bgs. lb. .76 - .77
Powdered candelilla, 20 mesh 7c. per lb higher, 80 mesh 7c.; 100-200 mesh 8c.
Carnauba, chalky, bgs., ton lots. lb. .70 - .72
North country No. 2, crude, bgs., ton lots lb. .76 - .77
refd., pure, bgs., ton lots lb. .84 - .85
Wex, carnauba, North Country, No. 3, Ceara, crude, bgs., ton lots lb. .71 - .73
refd., pure, bgs., ton lots lb. .80 - .82
tech., bgs., ton lots lb. .72 - .74
Parnahyba, crude, bgs., ton lots lb. .73 - .74
refd., pure, bgs., ton lots lb. .81 - .82
yellow No 1, Ceara, bgs., ton lots lb. 1.42 - 1.44
Parnahyba, bgs., ton lots lb. 1.44 - 1.46
Powdered carnauba wax price same as powdered candelilla. differential
Japan, cs lb. .47 - .48
Microcrystalline, 170-175° F., m.p., ASTM, penetration 15-20, amber, ctns., 20,000 lbs., group 3, works lb. .14 - .15
smaller lots, same basis. lb. .15 - .16
black, ctns., 20,000 lbs., same basis lb. .12½- .13½
smaller lots, same basis. lb. .13½- .14½
white ctns., 20,000 lbs., same basis lb. .25 - .26
smaller lots, group 3, works lb. .26 - .27
180-185° F., m.p., ASTM, penetration 7-11; amber, ctns., 20,000-lb. lots, same basis. .17 - —
smaller lots, same basis. lb. .18 - —
Wax, microcrystalline, 180-185°F., m.p., ASTM, penetration 7-11; black, ctns., 20,000 lbs., same basis lb. .15½- —
smaller lots, same basis. lb. .16½- —
white, ctns., 20,000 lbs., same basis lb. .28 - —
smaller lots, same basis. lb. .29 - —
100°-195°F., m.p., ASTM, penetration 2-7, amber, ctns., 20,000 lbs., same basis lb. .21 - —
smaller lots, same basis. lb. .21½ - —
black, ctns., 20,000 lbs., same basis lb. .19 - —
smaller lots, same basis. lb. .19½ - —
190-195°F, ASTM, penetration 2-7, white, ctns, 20,000 lbs. same basis lb. .34½- —
smaller lots, same basis. lb. .35½- —
Montan, dom., refd., bgs lb. .27 - .29
imp., crude, Bohemian, bgs lb. .25 - .26
German, bgs lb. No prices.
Ouricury, refd., pure, bgs lb. .93 - .95
tech., bgs lb. .85 Nom.
Paraffin (see P)
Spermaceti, blocks, cs lb. .30 - .33
cakes cs lb. .31 - .34
Sugar cane, dom., refd., slabs, 80 lbs ctns., works lb. .65 - .75
spot lb. 6⅞- .72¼
White lead (see Lead, White).

—Continued on page 62

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Promoting Basic Research

The National Science Foundation has announced 289 new grants for a total of more than $3,500,000 to promote basic research, the exchange of scientific information, and the training of science teachers.

In its report at the end of 1955, a special committee of educators and scientists set up by the American Council on Education expressed fear that "proper emphasis on basic research has not been maintained, and this trend is reflecting itself both in the quality of scholars being turned out at the present time and in the diminished contribution to fundamental knowledge on which future applications and development must be based."

Late in 1955, President Eisenhower, in the face of increasing governmental interest in and support of emergency research, said that this country "must extend its support of research in basic science."

Basic research needs support and promotion. There is a rather wide variety of opinion in all interested circles on just what basic research is, and a still wider one on how and by whom it should be conducted. The prevailing philosophy in that respect splits on those two aspects. There is a strong and broad existence of the opinion that basic research should be mainly, if not wholly, entrusted to institutions of learning. But, because the basis of research is most commonly given an industrial identity, its broadly economic and otherwise social relationships are given but secondary, if any, consideration. Although the primary role of teaching institutions with relation to basic research is in wide favor among industrial scientists individually, at least in theory, it is not generally supported by any industrial group beyond the extent to which its members may have a need and a desire for the cooperative undertaking of a project. It is in that connection that those who are critical of the limits laid upon the exchange of scientific information see the biggest problem in the development of a more liberal attitude. There too lies one of the rocks on which the interrelationships of industry, education, and government often come to grief.

The popular concept of research as the creator of new products, new processes, new enterprises, and new jobs is far too narrow when applied basically. It takes no cognizance of the most important factors of real human progress, which lie in the social sciences. The fundamental influence of those factors has been recognized in the broad survey of scientific research and development in the United States that is being conducted by the National Science Foundation. When that survey is completed, material will be available for the construction of a national philosophy in basic research and the implementation of its application to the scientific needs of the nation—social, as well as technical.

There is a wide and, at times, acrid expressing of views on the role of government in connection with the recognition, promotion, and application of basic research. But, it must be recognized that the potentialities, by way of proper equipment and guidance, of the Department of Health, Education, and Welfare—under the broadest practicable defining of each of its objectives—are deserving of unstinted developmental assistance from all sources. Any worthwhile research in relation to any of those objectives certainly would be socially basic.

Petroleum Posers from the Middle East

It must, quite naturally, be expected in a democracy that everybody who can think up an interest in any matter of national affairs or international relations will expect, even demand, a part in the discussion and settlement of the matter. That is why there is so much noise of dissatisfaction over the means taken by the Office of Defense Mobilization to learn something about the consequences of Egypt's nationalization of the Suez Canal in relation to the world supplying of petroleum, and to figure out what should be done to provide relief in the matter; how it should be handled, and by whom. The messing and mussing will be further complicated as developments come along in the controversies between the government of Lebanon and the American-owned Trans-Arabian pipeline and the Iraq Petroleum Company.

It is not difficult to see why the group of so-called "independent" producers of petroleum in this country wants a part in the deliberations of the Middle East Emergency Committee set up by the Office of Defense Mobilization to study the present, the progressive, and the potential effects of the Suez situation in relation to petroleum. It is, however, difficult to conceive of any manner in which that group can contribute toward any necessary and desirable relieving of unsatisfactory consequences.

One of its most vociferously pronounced purposes is to keep Middle Eastern petroleum out of this country. There is little, if any, reason to assume that it has a different attitude toward the getting of that oil by any other country where it might find another market. It has never manifested any philosophic consideration for the conserving of domestic petroleum resources; hence, it is quite natural that its leader looks upon any presumption that the Suez crisis could result in a shortage of oil in this country as "unfounded and unjustified." Assumably, the shifting of Venezuelan exports of oil from this country to others now largely, if not wholly, dependent upon the Middle East would shortsightedly get a welcome because that would necessitate still further increasing of production in this country.

A not unexpected consequence of the posing of an oil problem by the Suez situation is an already active revival of interest in Western Europe in the production of liquid fuel from coal. The newer developments with cheaper gases and liquid-phase operations and the use of irradiated catalysts in the Fischer-Tropsch synthesis are reported to be getting a deal of attention, especially where there is a basic interest in the chemical potentialities associated with such production of liquid fuel. There is said also to be some serious studying of the supplementing of gasoline as a motor fuel with ethanol and methanol and benzol in Western Europe and Great Britain. As yet, nothing informative has come along with reference to any move or intention on the part of the Soviet group to look westward for petroleum buyers. Its position in the Suez situation is not, of course, conducive to any early manifestation of such an objective.

Playing the Trade Fairways

The Secretary of Commerce has announced that the United States will participate in twelve trade fairs in other countries during about the same number of weeks, starting August 26. The participation will be governmental in an advisory and cooperative way. Private enterprise will, as it should, be the exhibiting participant in more ways than the well planned showing of goods. The experience gained by government since such participation became "official" two years ago has been very much worthwhile—and the practical results got by private enterprise have been worth money. There is still a big opportunity for the profitable development of the social factors which are basic in all satisfactory and successful economic relations.

The secretary has said that he expects that the fairs will alert American businessmen to the growing European markets for exports of American consumer goods. It may be too much to expect that they will in any manner contribute to the ability of those markets to pay for such goods. It was his view that the planned exhibits not only would show a "wide variety of products of free enterprise, but also American friendship and dedication to peace." He had nothing to say about free trade, although it is well known that he is quite aware that the channels of international trade are most productive when they are fully utilized in both directions. Internationally, trade is still in large part and to best advantage an exchanging of goods.

Governmental participation in the trade fairs will no doubt largely comprise the application of the trade mission plan inaugurated a few years ago by the Department of Commerce. That plan provides for the discussion of trade topics at meetings of groups of businessmen from the United States with groups from other countries, usually in association with Americans who are familiar with conditions and practices in those countries. The plan has been developed to a stage of considerable usefulness; but there is still a need for a program and facilities for carrying the discussions through adequate follow-ups to full and final consideration of the matters involved. The Department of Commerce is getting well along toward the satisfactory meeting of that need. Its success in that direction depends in very large part on its getting the full cooperation, advisory and active, of business groups and individuals.

One of the most important and necessary guides for American participants in trade fairs in other countries lies in an area of social economics. Briefly stated, it is:—"Do not belittle anything with which any native caller at your exhibit is in any way associated." In other words:—"Don't make disparaging comparisons until you get home." The American friendship which the Secretary of Commerce said would be exhibited at the fairs must be the real thing.

One of the trade fairs abroad which are scheduled for the period to which the Secretary of Commerce referred is the International Druggists Exhibition, scheduled for October 7 to 14 in Duesseldorf, Germany.

Washington Talks It Over

Chemical Companies Seeking to Raise Capital May Be Assisted by Rule Being Considered by the SEC.

By Ralph L. Cherry
Chief, OPD Washington Bureau

Chemical companies and others seeking to raise new capital in the securities markets will be allowed to put a little more punch behind their sales efforts if a rule now under consideration by the Securities and Exchange Commission is adopted. It is described as a summary prospectus rule and will permit sellers to highlight the significant facts contained in the prospectus covering the securities to stimulate interest in the detailed facts.

Use of a "selling document" which contains something less than the detailed disclosures required in a prospectus is a sharp departure from the normal distributing process which has been allowed in the past. Accordingly, the commission is approaching the problem cautiously; and, at the outset at least, will apply the new rule only to companies which file annual or other period reports.

The commission believes, however, that a summary prospectus will facilitate a more widespread dissemination of registration disclosures, attract a broader segment of the investing public and stimulate their interest in the full particulars set forth in the prospectus, and aid in the general distribution of securities offered for public sale.

Control of Forest Insects

It took a recent extensive survey of the nation's timber supply to dramatize the damage insects and diseases inflict upon this important resource, and as a result all control work on forest insects and diseases has been consolidated into one division of the Forest Service of the Department of Agriculture.

This new division of forest pest control will be responsible for the department's activities in controlling insect infestations, disease epidemics and white pine blister rust control on federal, state and privately owned forest lands. Warren V. Benedict, formerly in charge of the white pine blister rust control program, will head the new division.

Insects kill outright seven times as much timber as fire, and diseases three times as much. Forest pest control today is where forest fire control was twenty-five years ago, and the big job of the division will be to reduce pest losses as much as the department has fire losses.

Chemical Wholesalers' Business

For what it might be wor'h, there were 2,190 establishments engaged in the wholesaling of chemicals and allied products in 1954 which did $8,889,311,000 of business at a cost of $841,351,000 or 9.5 percent of sales. These figures constitute advance information from the forthcoming US Summary of Wholesale Trade, 1954 Census of Business, prepared by the Bureau of the Census.

Unlike so many other industries, it made little difference in the chemical industry whether the sales were made from branches with stocks or from offices without stocks. The volume of business done was about equally divided between the two. The big difference was in the operating costs.

There were 1,482 sales branches with stocks which did $4,548,221,000 of business at a cost of 12.2 percent of sales. On the other hand 708 sales offices without stocks did $4,341,090,000 of business at a cost of 6.5 percent of sales.

The annual payroll of 2,190 establishments in 1954 amounted to $299,984,000 and near the end of the year the industry was employing about 56,800 persons.

Animal Disease Data

"Agriculture's 1956 Yearbook" is devoted entirely to "Animal Diseases" which points up the need for students of veterinary and biological sciences to take more highly specialized training in their chosen fields.

The yearbook contains 134 chapters by leading veterinarians and other scientists on diseases and parasites of most all farm and ranch animals, including their causes, symptoms, treatment, management, and modes of transmission. Particular attention is paid to diseases that can be transmitted to humans, and similarities between animal diseases and human ailments are stressed.

Some days you don't make a nickel in the vitamin business but you make a friend

This is Lynn Farmen leading his car pool homeward after the day's work. He handles vitamin sales in the home office.

Lynn has spent most of the day gathering information about the vitamin D business. This is odd because we don't make vitamin D—only vitamins A and E. But Lynn ran into a purchasing agent at one of the pharmaceutical firms who was kind of new at the vitamin end of the business. It so happened this p.a. was quite happy with our Myvax® Vitamin A. No potency questions, no diluent questions, no antioxidant questions, everything fine. On vitamin D, however, the man felt a need for background. Lynn looked like the man to provide it, being honest, helpful by nature, inquiring of mind, forthright, and not directly interested commercially.

This is how come Lynn spent so much time today on the phone and at other people's desks pumping oil brokers, friendly biochemical types, and sundry old hands in the vitamin trade. Figures he has about 8 pages to dictate tomorrow on the current state of vitamin D.

You ought to see the handsprings we'll turn to dig out a story on vitamins A and E, which really are our business. If your problems concern them, give us a ring. Maybe you'll get in touch with Lynn. He's still game. ***Distillation Products Industries,*** Rochester 3, N. Y. Sales offices: New York, Chicago, and Memphis • W. M. Gillies and Company, Los Angeles, Portland, and San Francisco • Charles Albert Smith Limited, Montreal and Toronto.

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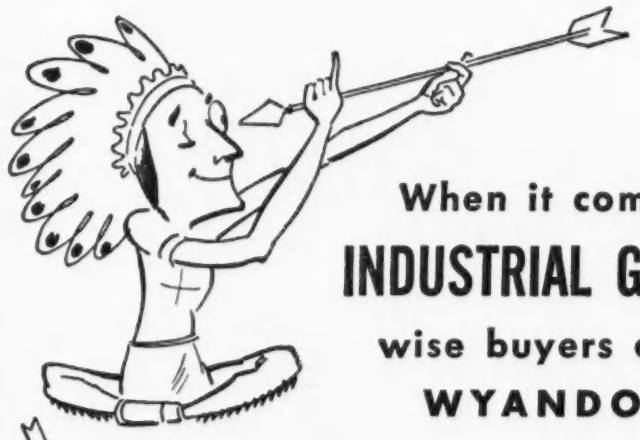

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Heavy Chemicals

The aftermath of the steel strike and the aluminum strike, with its round of increases in labor costs, as well as cumulative increases in materials, freight, packaging and processing, began to make itself felt in the chemicals market last week. A direct result of the aluminum strike was a number of price increases among aluminum chemicals, including aluminum hydrate, calcined alumina and aluminum metal. Upward pressure as a result of many increments over the past six years caused the first price rise in CP hydrochloric, nitric and sulfuric acids since 1950.

Ammonium chloride, ammonium bicarbonate and sodium nitrite were scheduled to be increased by a producer effective on spot September 1, and on contract October 1.

There was plenty of consideration of the possibility of higher prices for barium chemicals, due to increases past and projected in the price of increasingly scarce barite ores.

However, a producer announced that it would hold the line on barium chemicals for he fourth quarter, at least, despite the general feeling in the trade that a price boost was in order.

Production of ten selected chemicals in June was generally lower than that in May, according to a preliminary report by the Bureau of Census. Only calcium carbide output showed a gain, amounting to 1 percent.

Lime-soda caustic output led the decline, dropping 10 percent. Nitric acid was off 9 percent, as was soda ash. Sulfuric output dropped 8 percent, phosphoric, 7 percent, and chlorine, 5 percent.

The American Paper and Pulp Association reported production for the week ended August 18 at 97.5 percent of theoretical capacity, as compared with the revised figure of 96.4 percent for the previous week and 95.3 percent for the corresponding week of last year.

Acid, Hydrochloric—CP hydrochloric acid was increased 4c. per pound last week by a producer, effective immediately on spot, and October 1 on contract.

This would raise CP, USP acid to 15¾c., per pound, consumers, carboys extra, carlots, f.o.b. works, and 17¼c. to 17¾c. per pound, less carlots, same basis, as to quantity.

Five-pint bottles (extra) in cases, were newly quoted at 20¾c. per pound, carlots, same basis, and 22¼c. to 23¼c. per pound, less carlots, same basis, as to quantity.

CP and USP hydrochloric acid prices to dealers remained at 1½c. per pound below newly listed quotations. Other producers of CP hydrochloric were studying the increases, but as yet there was no indication that the new price would be met.

Hydrochloric acid production in June declined 4 percent from May levels, and totaled 74,168 tons, as against 77,365 tons in May, according to preliminary figures from the Bureau of Census.

Acid, Nitric—One producer boosted CP nitric acid prices 5c. per pound, effective immediately on spot, and October 1 on contract.

The producer newly listed prices at 18½c. per pound, consumers, carboys extra, carlots, f.o.b. works, freight equalized, and 20c. to 20½c. per pound less carlots, same basis, as to quantity.

Five-pint bottles were raised to 22½c. per pound, in cases, carlots, f.o.b. works, and 24c. to 25c. per pound, less carlots, same basis.

Nitric acid output in June totaled 177,228 tons, a decline of 9 percent from the May level of 194,151 tons, according to preliminary figures compiled by the Bureau of Census.

Acid, Sulfuric—CP, NF acid was lifted 3c. per pound by a producer effective last week on spot, and October 1 on contract.

CP acid was newly quoted to consumers in carboys (extra), carlots, f.o.b. works, at 12¾c. per pound; less carlots, 14¼c. to 14¾c. per pound, same basis, as to quantity.

Five-pint bottles (extra) were priced at 16¼c. per pound, cases, carlots, works, and 17¾c. to 18¾c. per pound, less carlots, same basis.

Sulfuric acid output dropped 8 percent in June, to 1,265,042 tons, from 1,381,850 tons in May, according to preliminary figures compiled by the Bureau of Census.

Alumina, Calcined—Prices were raised by 3/10c. per pound across the board, effective last week, owing to increased costs of labor as a result of the aluminum strike.

Price Trends

Advanced

Alumina, calcined, 0.3c. per lb.
Aluminum hydrate, ¼c. per lb.
Potassium stannate, 0.4c. per lb.
Sodium stannate, 0.4c. per lb.
Stannic chloride, 0.5c. per lb.
Stannous chloride, anhyd., 0.6c. per lb.
hydrous, cryst., ¾c. per lb.
Sulfate, 0.6c. per lb.
Tin, ⅞c. per lb.

Reduced

None

Comparative Price Indexes
(100—1949 average)

Last week	Prev. week	Last month	Aug. 26, 1955
101.96	101.96	101.96	98.47

For Current Prices see Page 9

Calcined alumina was newly quoted at 4.55c. per pound, bags, carlots, freight equalized, and 4.8c. to 7.55c. per pound, less carlots, same basis, as to quantity.

Aluminum Fluoride — Although costs have risen in the aluminum industry as a result of settlement of the recent labor dispute, there have been no indications of price change for this chemical as yet.

Aluminum Hydrate — Effective last week, aluminum hydrate was increased ¼c. per pound across the board. Heavy hydrate was newly quoted in bulk at 2.95c. per pound, carlots, freight equalized.

Bagged hydrate was offered at 3.2c. per pound, carlots, freight equalized; 20,000-40,000 pounds, 3.45c. per pound, same basis, and 2,000-20,000 pounds, 4.45c. per pound, same basis.

Ammonium Bicarbonate — A producer has scheduled higher prices for ammonium bicarbonate effective September 1 on spot, and October 1 on contract.

Bicarbonate is scheduled to be priced at $7 per hundred pounds, barrels or drums, carlots, f.o.b. works, and $9 per hundred pounds, less carlots, same basis.

Ammonium Chloride — This material has been scheduled for a price rise, effective September 1 on spot and October 1 on contract, by a producer.

Bagged chloride is slated to be placed at $5.75 per hundred pounds, carlots, f.o.b. works, and $7.75 per hundred pounds, less carlots, same basis.

Ammonium chloride in barrels is scheduled to list at $6.25 per hundred pounds, carlots, f.o.b. works, and $8.25 per hundred pounds, less carlots, same basis.

Calcium Carbide — Production of calcium carbide in June increased 1 percent to 83,824 tons from 82,776 tons in May, according to preliminary figures compiled by the Bureau of Census.

Barium Chemicals—Rising costs and increasing scarcity of chemical grade barite ores have put the squeeze on prices for barium chemicals.

Cost-price relationships of most of the barium chemicals have been under close study for some time due to the unfavorable barite ore position.

Over the past few weeks, growing feeling in the trade that prices for barium compounds were to be advanced effective October 1 was a dominant factor in the market.

However, proponents of a price increase for the fourth quarter suffered a setback last week, as an announcement was made by one source that it would hold the line on its barium chemicals for the remainder of the year, at least.

There have been indications, the producer said, that the price of ore may increase shortly. It was stated that as yet there were no indications as to whether or not such an increase would be a certainty.

Furthermore, the feeling of the supplier was that any increase would probably be of a magnitude that could be absorbed, at least for the fourth quarter.

Chlorine—Demand continued to regain strength which had been lost during the midsummer slump. Interest for use in chlorinated organics was strong. Paper and textile bleaching also continued to consume large quantities.

Copper Sulfate — Agricultural demand staged a good recovery last week, as damp weather in some areas brought with it an increased need for sulfate for use in

CSC PLANT HEAD: Joseph R. McHugh has been named superintendent of the Newark, N. J., plant of Commercial Solvents Corporation. The plant is the principal east coast distribution point for the company's industrial chemicals, anti-freeze and automotive specialties.

Heavy Chemicals

spraying to keep back fungus and insects on ripening crops.

Potato farmers in particular were active for prompt shipment to cover immediate requirements. Industrial demand continued to show improvement, as consumers were more active following settlement of the steel strike.

Soda Ash—Synthetic soda ash output in June of 405,607 tons declined 9 percent from the 443,569 tons produced in May, according to preliminary figures compiled by the Bureau of Census.

Current interest for light and dense ash was said to be well above midsummer levels, however, and producers forecast an encouraging market for the fourth quarter.

Soda, Caustic—Electrolytic output was off 6 percent in June from May levels, and lime-soda caustic output was down 10 percent in the same period, according to the Census bureau's preliminary figures.

Output of electrolytic in June declined to 312,420 tons from 330,619 tons in May, while lime-soda production declined to 34,884 tons in June from 38,554 tons in May.

Sodium Nitrite — Sodium nitrite has been slated for a price increase by a producer, effective September 1 on spot, and October 1 on contract.

At that time, nitrite is scheduled to be priced at $8.50 per hundred pounds, barrels, carlots, f.o.b. works, and $10.50 per hundred pounds, less carlots, same basis.

Sodium Sulfate—Buying interest from the paper industry continued strong for saltcake. Stocks continued ample for current needs, but were reported still declining.

Glauber's salt and anhydrous sulfate demand for textiles, detergents, and other chemical end uses was satisfactory. Mannheim furnace output of sulfate continued heavy, due to good hydrochloric acid demand.

Tin Salts—With higher tin potassium stannate was quoted at 70.5c. to 77.1c. per pound; sodium stannate, 57.5c. to 62.9c.; stannic chloride, 79c. to 80c.; anhydrous stannous chloride, 91.5c. to $1.183; hydrous crystals, 80c. to 81c., and sulfate, 97c. to 99c.

Nonferrous Metals

Aluminum — Primary aluminum output in July set another all-time monthly production record, according to figures compiled by the Aluminum Association.

Output in July reached 303,248,010 pounds, as against June's 291,452,517 pounds, and was higher than the 265,337,163 pounds produced in July, 1955.

The second quarter of 1956 set the all-time record for quarterly output of primary aluminum. Production during the quarter amounted to 882,505,193 pounds.

Copper—Demand for metal was more active. Producers continued to quote primary copper at 40c. per pound, delivered US destinations.

Silver—Bullion was priced at 90¾c. per ounce, spot, on Friday.

Tin—Straits metal was moderately active, and was quoted at 99¾c. per pound, spot, on Friday.

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Agricultural Chemicals Bids Sought by Greece

Greece is seeking bids on a variety of agricultural chemicals. They are:—

3.75 metric tons gamma-isomer of benzene hexachloride as wettable powder 12-18 percent; 8.25 metric tons gamma-isomer of benzene hexachloride as dust base 12-18 percent; sixty metric tons of DDT water-dispersible powder 75 percent and above, and twenty metric tons of DDT 75 percent and above dust base.

Also, ten metric tons "Systox"; fifty metric tons mixture ethylene dichloride and carbon tetrachloride three-to-one; thirty-five metric tons aldrin 40 percent and above wettable powder; ten metric tons dieldrin water-dispersible powder and above; thirteen metric tons of active ingredients zinc ethylene disdithiocarbamate ("Zineb") as wettable powder 65 percent and above, and eight metric tons metaldehyde.

Bids must be submitted by September 12 to the Agricultural Bank of Greece, Permanent Supplies Committee, Athens. Copies of terms and specifications are available from the Trade Development Division, Bureau of Foreign Commerce, Department of Commerce, Washington 25, D. C.

Farm Surplus Unit

—*Continued from page 3*

ner in the Butler-Welsh Grain Company, Omaha, Neb.

In outlining the group's mission, Mr. Welsh said it is concerned not only with extending the industrial use of present crops, particularly those in surplus, but also with the development of new crops to provide continuing sources of industrial raw materials.

The commission plans to hold meetings in Washington and possibly also at other locations periodically until its job is done, Mr. Welsh said.

In developing its recommendations, he added, the group intends to make a thorough survey and appraisal of all current research in the field of crop utilization by research organizations throughout the country.

Chairman Welsh issued an open invitation to the nation's research organizations and interested groups and individuals to submit to the commission any suggestions they have for expanding non-food and non-feed uses for farm products.

Dow Sales

—*Continued from page 5*

healthy improvement." Noting that competition had been extremely keen, the report attributed Dow's sales growth to "the generally high level of business activity and our constant efforts to improve our competitive position."

In his letter to stockholders Dow president Leland I. Doan cited constantly rising labor costs and the growing difficulty of acquiring technical manpower as "problems which are serious but not, we think, insurmountable. A great deal of thought and planning," he said, "is being devoted to improving productivity and insuring ourselves the supply of scientific and professional skills necessary for continued growth."

In touching on these same problems elsewhere, the report took account of education as a long range solution and noted that the company had budgeted $320,000 for the coming school year in scholarships, fellowships and direct grants to educational institutions. An additional $160,000 has been budgeted for support of university research projects.

Lakeside Labs Opens Pharmaceutical Laboratory

A pharmacy laboratory has been opened in the pharmaceutical division of Lakeside Laboratories, Inc., Milwaukee, Wis.

Testing facilities have been set up to cover stability under varying light conditions which approximate the range of light, partial daylight and fluorescent night light that prevails in the prescription departments of pharmacies.

Among other facilities is a tablet machine with a drying oven, which is effective in producing granulations for experimental tablets.

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Business 4th Quarter Forecast Brighter

—Continued from page 7

cut back planned production and only an insignificant number were changing capital expenditure plans.

Commodity Prices—Prices are higher, reflecting the wage increases granted in recent labor contract settlements. Four out of five purchasing executives report that they are having to pay more for the materials they buy. With the exception of midsummer, 1955, we have to go back to early 1951 (the Korean War period) to find a time when so large a percentage of reporting members stated that prices were up.

Inventories—A continued reduction in inventories is reported this month. There is, however, a strong minority who admit that somewhat higher inventories were accumulated in anticipation of a longer steel strike. In general, the backlog of unworked materials is at the lowest point since the fall of 1954.

Employment—The relatively short duration of the steel strike appears to have had only a localized effect on the employment situation. Actually, the number of purchasing executives reporting as the same or better than June increased from 79 percent to 83 percent. The outlook for employment for the rest of the year is very optimistic. Some even report shortages of qualified factory employees.

Buying Policy—Increasing prices have had the natural result of extending the period of time for which purchasing executives are willing to make commitments.

On production materials, very few are now operating in the hand-to-mouth and thirty-day areas. The large preponderance is covering for 60 to 90 days ahead.

Because of the relatively long lead time required for delivery, most purchasing executives continue to schedule capital expenditure commitments more than 90 days ahead and two out of three are buying 6 months or more in advance of required delivery.

Specific Commodity Changes—As could be expected, steel and steel items overwhelmingly lead the parade of reported price increases and shortages this month.

On the up side are:—Aluminum, steel and steel products, steel scrap, pig iron, phenolic resins, alcohol, paper, cornstarch, coke, rubber, typewriters, and antifriction bearings

On the down side are:—Brass, copper and copper products, vegetable oils, and cotton.

In short supply are—Aluminum, nickel, steel and many steel products, stainless steel, monel, paper, cellophane, antifriction bearings, and cement.

Copra Philippine Exports Dropped 10 Percent in July

Philippine exports of copra in July were off more than 10 percent from the previous month, while exports of coconut oil rose sharply, the Foreign Agricultural Service reported last week.

Equivalent in terms of copra to 88,664 tons the July export volume reflected a loss of 7 percent from a month earlier, but a gain of 13 percent from July, 1955. Cumulative shipments of copra and coconut oil in the January-July period totaled 611,500 tons copra equivalent, nearly 29 percent more than the 475,869 tons in the corresponding period of 1955.

Copra exports in July, totaling 71,107 tons, again—as in recent months—went predominantly to Europe. By destination and quantity, they were as follows:—United States, 27,407 tons (Pacific Coast, 21,417, Atlantic Coast, 5,990); Belgium, 500; Denmark, 2,000; Germany, 10,900; Italy, 3,500; Netherlands, 10,100; Sweden, 5,750; Europe unspecified, 6,750; Lebanon, 500; Colombia, 2,000; Venezuela, 1,000 and South America unspecified, 700. January-July copra exports at 520,016 tons were up one-fourth from the 413,039 tons exported in the comparable period of 1955.

Coconut oil exports last month totaled 11,061 tons. Shipments were as follows:—United States, 10,094 tons (Pacific, 350, Atlantic, 9,744); Netherlands, 517 and Europe unspecified, 450.

Proprietary Meeting Dec. 11

The scientific section of the Proprietary Association will hold its winter meeting December 11 at the Waldorf-Astoria hotel, New York.

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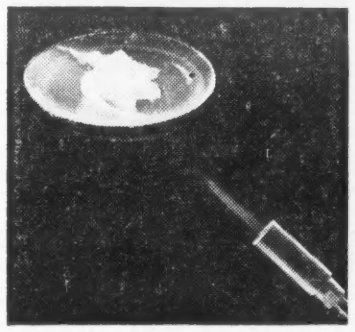

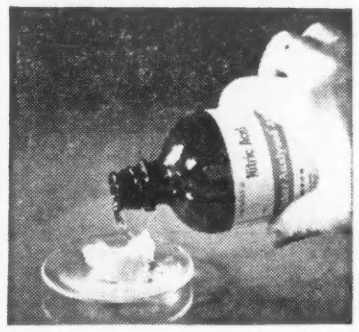

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Petroleum Derivatives

Price advances on microcrystalline waxes amounting to ½ cent per pound across the board, were announced last week. The new price schedule becomes effective on spot September 1, and on contract October 1. The ½ higher price will apply to the lamination grades, and the special grades will be adjusted accordingly. Back of the price advance lies the upward adjustment in lube oils. Crude scale paraffin was also up ½c. per pound. Wax demand for all types was well sustained, particularly from the food packaging industry.

The market was slow on all aliphatic solvents, as well as on the partial aromatics. Toluol was still presenting a problem of disposal in some quarters, and supplies were over abundant. Benzol and xylol moved well directly from production into consuming channels, and their markets were viewed as well balanced.

The solvent picture was not felt likely to improve much until Fall. Some pick up was expected next month. Until there is a pick up in durable goods, and until the production of automobiles gets rolling again, the demand for aliphatics and partial aromatics was not expected to be up to what sellers consider normal.

During the steel strike, and in anticipation of it, buyers had laid in heavy inventories. These were in part deleted during the strike, but only recently have showed signs of buying for replacement. Consequently late August showed some indication of improved demand for petroleum derivatives. While settlement of the strike was only indirect so far as it affected business in the oil industry, settlement did bring about an improvement in economic outlook that tended to strengthen business generally.

Metal products requiring industrial finishing were still slow. It looked as of last week as though any improvement in automotive output would be delayed, with new models held up somewhat to allow stock inventories of old models to move. Progress toward recovery was expected to be slow, however, with normal consumption levels reached, well into the fourth quarter.

Price Trends

Advanced
Paraffin, crude, scale, ½c. per lb.

Reduced
None

Comparative Price Indexes
(100—1949 average)

Last week	Prev. week	Last month	Aug. 26, 1955
105.47	105.47	105.47	104.42

For Current Prices see Page 9

Solvents and diluents

Benzol—This market was in good balance. Both coaltar and petroleum source producers were moving material as fast as they could produce it, and it appeared as if this situation would prevail for the balance of the year. Despite pressure in certain consuming quarters for reduced prices, there was nothing in the foreseeable future to indicate that there would be a price change. Economically, there were more factors favoring an advance in price, than a decline, and for the time being established levels were being maintained.

A higher demand for benzol was likely to develop during the fourth quarter in line with the generally expected pick up in chemical demand for benzol derivatives.

Mineral Spirits—Supplies were quite ample to meet all needs. Demand was well sustained from the paint industry, and some improvement in demand was seasonally expected for the weeks immediately ahead to accommodate the Fall spurt in trade sales paint manufacture.

Odorless solvent demand was steady but not spectacular. Prices all along the line were well maintained at former levels, and no change in the immediate future was expected.

Partial Aromatics—These high solvency blends or cuts of varying aniline point and evaporation rate ranges were a bit slow in line with solvents generally. This was a reflection of the reduced production rate of automobiles and other durable goods requiring industrial finishing. However, the partial aromatics held their own place in the aromatic solvent picture, and some improvement in demand was expected for the fourth quarter. Despite keen competition, price patterns in effect over recent months were well maintained.

VM&P Naphtha—Demand for this aliphatic solvent was hardly more than fair last week. Trading was confined to moderate volumes. Paint industry consumption was steady at fair volume. Prices were unchanged at levels which have prevailed over recent months.

Toluol—There was little new to report in this market. Things were just about as the they had been over recent weeks. About all that could be said was that things in the toluol market would be worse if there had not been a steel strike. There was an oversupply of toluol generally, and some producers were faced with devising various ways to get rid of it.

While a saturated, or supersaturated, toluol market has been representative of the situation over recent months, the long term view was that this situation would eventually clear up and become balanced. Isocyanates for the production of polyurethanes will chew up a lot of toluol when expanded production facilities really get rolling. There are other factors, too, which point eventually to heavier consumption patterns. When new car production gets going full speed again, the back-up from the current lull in demand for toluol in industrial finishes and their application, will be alleviated.

Xylol — Despite the slow situation in toluol, no one complains of any inventory problems on xylol. Consumption was said to be keeping up well with production. The coaltar sources, having only limited production, contract for their estimated output, and that is that. The big gap between this relatively smaller amount and the overall demand comes from petroleum sources in which production output can be somewhat better regulated in relation to demand. And, demand has been good and well sustained. What demand was lost from the slow-up in automobile production was in part made up from seasonal demand for insecticides and other outlets. Prices were firm and unchanged.

Waxes

Microcrystalline — Effective September 1 on spot and October 1 on contract, the price of the lamination grades of microcrystalline waxes will advance ½c. per pound across the board. This price advance is a reflection of the lube oil price increase, and related to it. Demand has maintained a high level, particularly from the food packaging industry, and business volume over recent months has been well sustained. A continued good outlook was in prospect for the fourth quarter according to the views of manufacturers.

Paraffin — Crude scale paraffin advanced ½c. per pound effective Aug. 22.

Miscellaneous

Crude Oil—The daily average production of crude oil and lease condensate for the week ending August 10, was 7,086,000 barrels, according to the American Petroleum Institute. This was an increase of 20,000 barrels over the preceding week.

The Railroad commission has ordered a cut of 73,505 barrels per day in Texas oil allowables for September. Importers advised the commission that they had brought into the United States 1,233,616 barrels of oil a day in July and that August would run at about the same level. Fall months will show an increase ranging up to around 1,462,723 barrels a day in December.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended August 11 totaled 274,389,000 barrels, according to data reported by the Bureau of Mines. Compared with the total of 278,222,000 barrels for the preceding week, this represents a decrease of 3,833,000 barrels, comprising a decrease of 2,698,000 barrels in stocks of domestic crude and a decrease of 1,135,000 barrels in stocks of foreign crude.

Oils, Fats Output, Use: July

Statistics on production and consumption of oils and fats, including raw materials and primary products except oil have been compiled by the Bureau of Census, Department of Commerce, for the month of July. The data are as follows:—

Primary Products Except Oil

	Tons		
	Production	Shipments and transfer	Stocks July 31
Cottonseed cake and meal	62,286	112,902	164,187
hulls	28,643	56,940	77,164
linters[1]			
First cut	8,783	16,837	60,381
Second cut	25,555	26,063	50,312
Mill run	1,187	3,483	9,265
Total	35,525	46,383	119,958
hull fiber	[2]	[2]	593
motes and grabbots	198	902	2,285
Soybean cake and meal	475,294	510,582	182,658
flour	7,192	7,256	1,658
Other cake and meal—			
Castor bean	769	1,227	895
Copra	10,381	8,037	4,764
Corn germ	11,497	11,156	992
Flaxseed	18,294	30,697	24,143
Olive	...	...	...
Peanut[5]	NA	NA	NA
Tung nut	...	...	[4]
Other	4,240	3,940	2,768

Raw Materials at Mills

	Tons		
	Receipts	Crushings	Stocks July 31
Castor beans	2,653	1,443	2,121
Copra	20,457	29,643	10,830
Corn germ	24,706	25,020	1,084
Cottonseed	141,965	118,511	177,469
Flaxseed	13,881	26,486	21,332
Olives	...	...	...
Peanut[5]	NA	NA	NA
Soybeans	305,618	611,338	793,805
Tung nuts	...	...	...
Other	5,042	5,343	588

N. A.—Not Available.

[1] Average gross bale weight in pounds for July production: Total, 619.7; first cut, 602.6; second cut, 627.4; and mill run, 579.6.
[2] Not shown to avoid disclosure of figures for individual companies.
[3] Data collected by Agricultural Marketing Service, Department of Agriculture.
[4] Included in "Other" to avoid disclosure of figures for individual companies.
[5] Data on peanuts collected by Agricultural Marketing Service, Department of Agriculture, and include reports by peanut shellers.

Bids Wanted

Ammonia anhydrous, 8,100 lbs. Spec. O-A-445, inv. 22, Aug. 30, Contracting Officer, Army Chem. Center, Md.

Dessicants, 77,000 units, 8 dessicant units per bag, Spec. MIL-D-346B, inv. 91, Aug. 27, Contracting Officer, McClellan AFB, Calif.

Diethyl ether, 200,000 lbs., inv. 38-B, Sept. 13, Purchasing & Contracting Officer, Picatinny Arsenal, Dover, N. J.

Drugs, 3,312 bots. of 100 diphenylhydantoin sodium capsules, USP, 100 mg., 1,536 bots. of 500 ephedrine sulfate capsules, USP, 25 mg., etc., 5 items, overseas pack, Louisville, Ky., inv. 98, Aug. 29, Armed Services Med. Procurement Agency, 84 Sands St., Bklyn. 1, N. Y.; drugs consisting of homatropine hydro bromide, kaolin, lactose, magnesium oxide heavy, etc., various quantities, inv. A-63, Aug. 30, Vets. Adm., Procurement Div., Supply Service, Vets. Adm. Bldg., Washington 25, D. C.

Lead stearate, 4,000 lbs., inv. 19, Sept. 13, Naval Powd. Factory, Navy Dept., Indian Head, Md.

Paint, 52 gals. interior, semi-gloss marine paint, 76 gals. red lead anchor paint, 24 gals. outside, gloss marine paint, 52 gals. aluminum paint, 52 gals. inside, flat marine paint, 12 gals outside marine paint, inv. CIVENG-19, Aug. 28, Corps of Engnrs., District Engnr., Phila. Dist., 2635 Abbottsford Ave., Phila. 29, Pa.; 150 5-gal. cans exterior enamel, inv. 33, Sept. 4, Procurement Officer, McGuire AFB, Trenton, N. J.; oil interior, flat paint, ivory, inv. NY1GD-68720, Sept. 7, Gen. Services Adm., Region 2, Business Center, 250 Hudson St., N. Y. 13, N. Y.; paint, varnish, 13 items, various qtys., inv. KC-47512, Aug. 30, Gen. Services Adm., Business Service Center, 2306 E. Bannister Rd., Kansas City, Kans.; 44 55-gal. dms., rust inhibiting enamel, Marion, O., inv. ENG-10, Sept. 6, Corps of Engnrs., Dist. Engnr., Louisville Dist., P.O.B. 59, 830 W. Broadway, Louisville, Ky.; 5,000 gals. marine corps green enamel, inv. 38-B, Sept. 10, Purchasing Office, Marine Corps Supply Section, Barstow, Calif.; 100 gals. liquid, paint drier, 300 gals. clear brushing lacquer, 500 gals. wood turpentine, 300 gals. rubbing, cabinet varnish, 1,000 gals. exterior, red lead, paint undercoater primer, inv. 80066-A, Aug. 31, Panama Canal Co., Procurement Div., 21 West St., N. Y. 6, N. Y.

2,130 gals. syn. gloss enamel, Camp San Luis Obispo, Fort Polk, inv. 400, Sept. 11, 864 qts. aircraft gloss enamel, East & West Coast, inv. 498, Sept. 13, 460 gals. aluminum paint, inv. 410, East & West Coast, Sept. 11, 3,625 gals. lusterless enamel for ammunition, 500 gals. camouflage paste, 1,359 gals. lusterless, glyceryl phthalate enamel, East & West Coast, inv. 438, Sept. 13, 1,435 gals. Stencil, flat paint, Oakland Army Terminal, inv. 411, Sept. 10, 2,860 gals. interior, gloss enamel, 855 gals. spraying gloss lacquer, 664 qts. same, 50 gals. outside paint, East & West Coast, inv. 159, Sept. 13, 5,000 gals. syn. enamel gloss, 20,000 gals. semi-gloss, rust inhibiting enamel, 250 gals. lusterless enamel lacquer, 500 gals. organic solvent type paint remover, West Coast, inv. 343, Sept. 13, 14,700 gals. interior, semi-gloss enamel, East & West Coast, inv. 200, Sept. 7, 5,100 gals. interior ship enamel, Oakland, Calif., inv. 258, Sept. 6, 20,700 gals. aircraft gloss enamel, Topeka AFD, inv. 213, Sept. 6, 1,000 gals. camouflage enamel, East & West Coast, inv. 305, Aug. 29, 1,200 gals. syn. gloss enamel, 184 gals. camouflage lacquer, 845 gals. lusterless lacquer enamel, East & West Coast, inv. 267, Sept. 6, 8,596 gals. fire retardant semi-gloss interior paint, East & West Coast, inv. 301, Sept. 7, Aviation Supply Office, Navy Dept., 700 Robbins Ave., Phila. 11, Pa.

Pesticides, 195,000 lbs. dieldrin, 50% water wettable powd., inv. FNW-4Q-7106-A, Sept. 5, Gen. Services Adm., Region 3, Business Service Center, 7th & D Sts., S.W., Washington 25, D.C.

Sodium chloride, 180,000 lbs. rock salt for use on walks and roadways, inv. 12, Aug. 30, Contracting Officer, Ethan Allen AFB, Winooski, Vt.

Sodium para aminosalicylate, 30 5-kg. dms., coated granules, inv. 19, Aug. 30, Vets. Adm. Hospital, Supply Officer, Butler, Pa.

Sodium phosphate, 52,235 lbs., dibasic, anhyd., tech., Oakland, Calif., inv. (1)-314, Sept. 5, Gen. Stores Supply Office, Navy Dept., 700 Robbins Ave., Phila. 11, Pa.

Trichloroethylene, 1,272 gals., tech., type II, inv. 17, Aug. 30, Contracting Officer, New Cumberland Gen. Depot, Pa.

AEC Gives Assistance To Small Uranium Miners

Atomic Energy Commission last week gave small-scale uranium producers a helping hand in the development of their mining properties. The agency, which advances funds for the development of claims, in the main has limited such help to producers who have contracted with AEC to deliver more than 1000 short tons of uranium ore annually.

The commission required that the development allowance be spent within six months after the contract. Last week the agency eliminated that requirement.

In explaining its action, AEC said it "was made necessary by changed conditions in domestic uranium exploration and development."

BDSA Unit Names Head

Lewis P. Favorite, product sales manager of Aluminum Company of America, Pittsburgh, Pa., has been named director of Business and Defense Services Administration's aluminum-magnesium division. Mr. Favorite, with Alcoa since 1927, will serve with BDSA for a six-month term.

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Aliphatic Organics

USP and CP grades of glacial acetic acid were advanced 7 cents per pound effective October 1 on contract and immediately on spot sales. The increase ended a six-year period of price immobility, during which quotations stood still in spite of numerous increases in costs all along the line. There has been no large-scale demand for these highly refined grades, whose market has been restricted almost entirely to use in laboratory analytical work. The rise accompanied equal and larger increases in several other high-grade acids with similarly restricted markets.

Glycerine was on the slow side, but the inventory position had improved substantially due to curtailment of production by strike and by seasonal shutdowns of soapers for vacations.

The market for crude glycerine was rather poor.

Crude prices remained at the lower levels reached a week ago, and glycerine in other categories had so far stood firm. Declines in refined and synthetic glycerine were not anticipated, although they had not been ruled out.

There was marked improvement in formaldehyde. Demand for use in manufacture of pentaerithritol and the alkyd, phenolic and urea resins absorbed in heavy industry was strong, and new production facilities were keeping formaldehyde output abreast of growing demand.

No soft spots had appeared in the acetone market now for about six weeks. Production had come into better balance with demand, and an additional lift was expected when the new automobile models go into full-scale production.

Continued strong demand for use in manufacture of tetraethyl lead and loss of production on account of labor trouble provided better tone to trade in ethyl chloride. Supplies and production quotas were still adequate to meet current demand and anticipated increased needs in the coming months.

Methanol was beginning to show signs of response to the anticipated fourth quarter upsurge in general industrial activity and approach of the seasonal high point in sales of materials going into antifreeze compounds.

Ethylene glycol continued to make gains in the antifreeze field, much of it at the expense of methanol.

Perchloroethylene was showing gains, too, in this instance, increased demand for use in dry cleaning applications. The chemical being replaced in this case was, for the most part, carbon tetrachloride.

Carbon tet, in turn, was compensating for these losses to some extent by finding expanded markets in manufacture of fluorinated hydrocarbons popular as propellants in aerosol sprays.

Price Trends

Advanced
Acid, glacial acetic, CP, 7c. per lb.
USP, 7c. per lb.

Reduced
None.

Comparative Price Indexes
(100 = 1949 average)

Last week	Prev. week	Last month	Aug. 26, 1955
130.97	130.97	131.10	130.91

For Current Prices see Page 9

Acetic Acid—A major producer hiked prices of glacial acetic acid, USP and CP, 7c. per pound effective immediately on spot sales and October 1 on contract. This measure, the first advance on these chemicals in six years, was undertaken to offset partly the accumulated increases in costs of production.

The USP and CP grades, used almost exclusively in laboratory analytical procedures, has been sold only in trifling quantities. The aggregate volume of trade in these chemicals throughout the country has been small.

A still larger price increase was announced on purchases in the one-pound bottles, in which a substantial proportion of these reagents is packaged.

Acetone—Production has lately come into better balance with demand, and no soft spots have appeared in this market over the past six weeks. Trade was lively. Prices were regarded as firm.

Trade sources expected consumption via lacquers and resins to get a lift when new automobiles go into full-scale production. Other channels of consumption, generally speaking, were providing firm support for this market.

Ethyl Chloride—Labor trouble and the consequent loss of production have improved the tone of this market. However, material was still freely available to meet current demand, which was appearing at a normal rate. The price structure was notably stable.

Tetraethyl lead production continued to account for consumption in the largest measure. Other outlets were drawing off ethyl chloride at a fairly good pace for this time of year.

Formaldehyde — Marked improvement was noted last week as the season for vacation shutdowns tapered off. Material was said to be moving notably better. Demand was picking up. Supplies and production were adequate for current needs and the additional inquiry expected to appear in the fourth quarter.

The supply situation loosened as summer came on, with automobile production in decline and general industrial activity in the seasonal slump. Now it was picking up again, and new production facilities were shoring up supply. Formaldehyde was moving in good volume into manufacture of phenolic, urea and (in the form of pentaerithritol) alkyd resins in demand in heavy industries.

Producers said the situation at present was satisfactory on all counts. The market was firm, and prices were regarded as stable.

Production during 1955, stated on the basis of material containing 37 percent formaldehyde, was reported by the Tariff Commission to be 1,258,983,000 pounds. The Commission put sales in the same period at 696,383,000 pounds valued at $21,399,000.

Glycerine—The status quo was maintained in this market last week.

Demand was not brisk, but the inventory position of producers has been showing improvement. Producers' stocks were known to have declined appreciably in June, and it was almost certain that a substantial additional volume was moved out of the warehouses in July. Major production facilities were idle during the month because of a strike. Also, the soapers' vacation season could be counted upon to depress volume of output.

The market for crude was described as poor. Crude supply was long.

Synthetic producers had not yet responded to the reductions of a little more than a week ago in prices for natural crude. There was no indication that the price decline would spread to other categories, although the possibilitity had not been conclusively ruled out.

Optimism prevailed in long-term forecasts on account of the healthy condition of business generally and, in particular, the prospect of heavy consumption of nitroglycerine in connection with the projected $15 billion highway building program.

The switch to detergents has spread through Western Europe, providing an avid market for synthetic glycerine. US producers had been making hay in this rapidly expanding market recently, but European synthetic plants were now coming into the picture.

The relative increase in market importance of synthetic glycerine has had the effect of stabilizing the market generally, in particular with respect to prices.

Markets were still being diversified at a vigorous pace. Among the promising new outlets and established uses that might be expanded because of recent technological advances were manufacture of reconstituted tobacco, esterification of tall oil, preparation of bases for such diverse medicinals as hydrocortisone ointments and a poison ivy preventative and preparation of preservative media for cultures of microorganisms.

Consumption via paints and alkyd resins was expected to pick up sharply when the new automobile models go into full-scale production.

Methylene Chloride—The Tariff Commission reported production in 1955 was

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Aliphatic Organics

73,963,000 pounds. Sales for the same period were reported to be 71,732 pounds.

Octanol—The Tariff Commission reported combined production of 1-octanol and 2-octanol in 1955 amounted to 8,179,000 pounds. Sales of the two isomers in the same period were put at 1,911,000 pounds.

Perchloroethylene—Producers continued to make gains in the dry cleaning field, making inroads into areas of demand once preempted for carbon tetrachloride.

Production in 1955, according to figures recently reported by the Tariff Commission, amounted to 177,911,000 pounds. Sales in the same period were put at 160,458,000 pounds.

Trichloroethylene—Production of trichloroethylene during 1955, according to figures given in a recent report from the Tariff Commission, amounted to 316,248,000 pounds. Sales were put at 284,483,000 pounds valued at $27,898,000.

Vinyl Chloride—Production of the monomer during 1955, it was reported by the Tariff Commission, was 528,605,000 pounds. Sales volume in the same period amounted to 76,002,000 pounds, the report said.

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Coal Chemicals

It was evident last week that the inventory problem with respect to toluol had been modified appreciably by the steel strike. Heavy speculative buying before the strike had trimmed producers' stocks, which remained fixed while production was shut down and consumers' stocks were disappearing. The surplus on consumers' hands just about held out for the duration of the strike, and orders were placed in normal volume when the strike ended. Producers were now in a better position, but it was expected to last only until mid-October. The long-term view was unimproved. Petroleum producers of toluol were reported turning much of their output back into the gasoline stream.

Resins demand for cresylic acid was sustaining a balanced market, despite a precipitous decline in production of tricresyl phosphate. The most recent Tariff Commission figures available indicated that TCP production in May was less than one-third that in April, less than one-fifth that in January, less than one-third that in the average month in 1955. Trade sources estimated that output remained very low through June and July but thought they spotted a turn for the better in the past two or three weeks.

Imported naphthalene, which had recently declined 2 cents per pound in nominal price, was being offered at ½ cent per pound under the current nominal quotation but getting very little demand. The material was plentiful here. Improved demand was expected in September, on account of the end of summer vacation shutdowns, and through the fourth quarter, as a result of the anticipated increase in automotive production.

Styrene monomer was off somewhat, but improvement was expected when the new automobile models go into full-scale production and as a result of the switch to the 14-inch tires, which require more rubber.

The American Iron and Steel Institute estimated that steel production in the week ended Auust 26 would amount to 95.1 percent of theoretical capacity, equivalent to 2,340,000 tons of steel. This figure was compared to steel output of 2,154,000 tons in the week previous, 419,000 tons in the comparable week in July and 2,186,000 tons in the corresponding week a year ago.

Price Trends

Advanced
None.

Reduced
None.

Comparative Price Indexes
(100—1949 average)

Last week	Prev. week	Last month	Aug. 26, 1955
114.89	114.89	114.72	114.74

For Current Prices see Page 9

Basic Products

Benzol—Consumers, whose stocks were just sufficient to maintain a comfortable supply position during the steel strike, were getting adequate deliveries again last week. Demand continued strong. Production was restored to an accelerated rate, faster than that of any week since the week ended June 10. Output was moving promptly into consumer channels, but there were no substantial shortages. Producers anticipated continued strong demand, heavy production and even market balance for the rest of the current calendar year.

Cresylic Acid—Demand for resins maintained extremely heavy pressure, sufficient to sustain a vigorous market for domestic production and strong demand in the import market for low-boiling ADF material.

The fact was the more remarkable for the precipitous decline in manufacture of tricresyl phosphate. Tariff Commission statistics were available only through May, but they were enough to give a good idea of the dimensions of this downward trend.

TCP output in May was 722,919 pounds, the Tariff Commission reported. For comparison, the figure was 28,352,735 pounds in the year 1955, 3,758,778 pounds during last January, 2,388,054 pounds in February, 2,747,194 pounds in March 2,436,453 pounds in April.

Trade sources estimated that TCP production remained at the depressed level through June and July but detected some evidence of a reverse trend only as recently as two weeks ago. An upward trend was projected for the next two months or so.

In general, demand for acids was much stronger in July. This phenomenon was attributed for the most part to the steel strike. Demand declined moderately in the past two or three weeks, but was still eminently strong.

Most cuts were now in balance, and there were no notable shortages.

Acids with high meta-para content, those with narrow boiling ranges and those distilling at low temperature were in greatest demand. End cuts, those in high distillation ranges and those rich in xylenols were in no more than moderate demand and were readily available.

Naphthalene—Supply was abundant. The steel strike had improved the position of naphthalene somewhat, but business was on the slow side. Prospects were for a substantial increase in demand for use in manufacture of phthalic anhydride in the fourth quarter. The expected acceleration of automotive production was behind the more optimistic forecasts. Some increased business was expected even sooner on account of termination of the summer vacation shutdowns.

Meantime, cokeoven production of naphthalene had been stepped up to a pace unequaled in more than two months.

Imported material had now declined to 5c. per pound nominal at the docks, and some material was being offered for as little as 4½c. per pound. There were sales at the lower figure, but even these reduced prices failed to attract much business. The import price had stood until recently at 7c. per pound for many months and had for long been merely nominal. Domestic supply has been plentiful since early in the current calendar year.

Picolines—Some alpha was reported turning up here on the import market. Tone of the market for picolines gener-

Cokeoven Output: June

Following are cokeoven production statistics comparing June, 1956 and the same month in 1955 as reported by the Bureau of Mines. Only cokeoven output is represented. (Creosote content of creosote-coaltar solutions was not calculated prior to January 1956.)

		June 1956	*June* 1955	*1st Six Months* 1956
Benzol (excluding motor grade)	gals.	15,324,589	14,339,100	96,455,844
Creosote oil:—				
Creosote-coal tar solution	gals.	425,394	399,000	2,058,731
Content in solution	gals.	359,055	.....	1,723,097
100 percent straight distillate	gals.	2,075,712	3,038,200	11,080,354
Total 100 percent creosote	gals.	2,434,767	.....	12,803,451
Crude coaltar	gals.	71,532,119	69,667,700	448,199,038
Naphthalene, crude:—				
Solidifying under 74° C	lbs.	3,153,616	2,967,700	20,304,741
At 74° C and under 76° C	lbs.	1,676,512	1,459,100	7,610,037
At 76° C and under 79° C	lbs.	10,749,261	12,319,500	69,175,178
Total	lbs.	15,579,389	16,746,300	97,089,956
Pyridine, crude (dry basis)	gals.	13,448	26,400	122,121
Solvent naphtha, refined	gals.	12,785	19,700	91,739
Toluol, 1° and 2° grades only	gals.	3,168,969	3,272,200	19,909,373
Xylol	gals.	937,406	968,100	5,738,656

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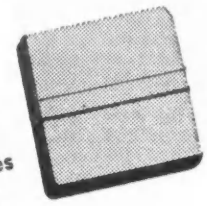

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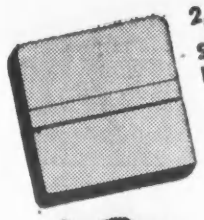

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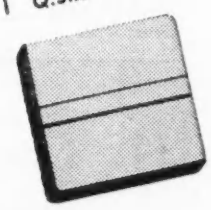

KOPPERS

KOPPERS
COAL CHEMICALS

Coal Chemicals

ally remained firm. B-g-picoline was finding a market abroad for substantial volume.

Pyridine—This market was further improved last week. The tone had been appreciably better over the last few months. The steel strike went a long way toward restoring balance of supply with demand. Volume of trade was reported improved but still far short of that required to absorb cokeoven byproduction in normal circumstances.

Trade sources noted that the market was still being depressed by imported material sold under the market. Imported pyridine was currently bringing about 45c. per pound.

Toluol—It now appeared that the steel strike had somewhat alleviated the problem of glut, but the improvement was regarded as fleeting.

Producers reconstructed the strike history this way: Consumers had taken aboard heavy stocks in May and June in anticipation of the strike, paring down producers' inventories appreciably. The strike lasted just long enough to deplete the surplus in consumers' hands. Demand immediately following the strike was resumed at a normal level. Thus, producers were shipping toluol at the normal rate from a somewhat trimmer stockpile.

On the other hand, the cokeovens were turning out toluol last week at a pace not matched since the first days of June. Producers estimated that, at this pace, the toluol situation would be just as sloppy as ever by mid-October.

Petroleum sources took a dim view of the picture and were turning a heavy volume of toluol back into the gasoline stream.

Coal Chemicals

Estimated output of coal chemicals recovered from cokeoven operations during the week ending August 26 was as follows:—

Ammonia liquor	lbs.	911,016
Ammonium sulfate	lbs.	38,791,648
Benzol	gals.	3,467,738
Coaltar	gals.	17,044,815
Creosote oil	gals.	661,221
Naphthalene, crude	lbs.	3,688,145
Pyridine, refined	lbs.	13,244
Toluol	gals.	764,078
Xylol	gals.	220,407

Intermediates

Phthalic Anhydride — Material was readily available. Demand remained only fair, and production has been cut back somewhat to maintain producers' inventories at moderate levels. The trade expected business to pick up nominally now that the summer vacation season has terminated and counted on considerable additional demand for use in coatings and as a plasticizer when the new automobile models go into full-scale production.

The market was not so weak as to permit any substantial tonnage of imported material to get in past the 6c. per pound duty.

The difficulties encountered in switching production of isophthalic acid from pilot plant to commercial scale operation have been overcome, and isophthalic was now becoming an important market factor.

Styrene Monomer—Demand was off somewhat over the past two months or so, but labor trouble stunted production enough to maintain a healthy balance. The easier demand was noted with respect to synthetic rubber, down from 15 to 20 percent, and paints, off only slightly. Another factor was vacation shutdowns, which were far more common this year than at any time in the past.

Now that production has been restored to normal, demand was expected to strengthen markedly. Initial production of the new 14-inch tires, which require more rubber, will help. Manufacture of the new automobile models could be counted on for additional business in any case.

The industry was now running the bulk of its current production capacity, somewhere between 1.2 and 1.3 billion pounds a year. Very substantially increased markets have been forecast over the next five years.

The styrene strike accounted for loss of an estimated 30 million pounds production.

Fine Chemicals

Trade BPC Mark

PHARMACEUTICAL CHEMICALS

Aminoacetic Acid
Aminophylline
Amobarbital
Benzocaine
Benzyl Alcohol
Chlorobutanol
8-Hydroxyquinoline
Oxyquinoline Benzoate
Oxyquinoline Sulphate
Potassium Oxyquinoline Sulphate
Pentobarbital Sodium
Phenobarbital
Phenobarbital Calcium
Phenobarbital Sodium
Secobarbital Sodium
Theophylline

AROMATIC and FLAVORING CHEMICALS

Benzyl Alcohol
Cinnamic Acid
Diacetyl
Ethyl Phenyl Acetate
Phenyl Acetic Acid

TECHNICAL CHEMICALS

Allyl Acetone
Benzaldehyde
Benzilic Acid
Benzoin
Benzyl Alcohol
Benzyl Chloride
Benzyl Cyanide
Cyanoacetamide
Chrysanthemum-Monocarboxylic Acid Ethyl Ester
Dibenzyl Ether
2,5-Dimethyl Hexadiene-1,5
2,5-Dimethyl Hexadiene-2,4
Diphenyl Acetic Acid
Ethyl-2-Acetyl-4-Pentenoate
Glycine Ethyl Ester Hydrochloride
Methallyl Chloride
Triglycollamic Acid

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n-Butyl Diethyl Malonate
Ethyl-1-Methylbutyl-Diethyl Malonate
Ethyl-1-Methylpropyl-Diethyl Malonate
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1-Methylbutyl-Diethyl Malonate
1-Methylpropyl-Diethyl-Malonate
Phenyl Diethyl Malonate

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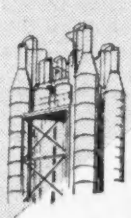

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Obituaries

Ralph N. Chipman

Ralph N: Chipman, manager of the weed killer department of the general chemical division of Allied Chemical & Dye Corporation, New York, died August 18 in Plainfield, N. J. He was seventy years old.

An authority on railway weed control, Mr. Chipman founded Atlas Preservative Company in 1910 and Chipman Chemical Company in 1917. He joined General Chemical in 1942.

Dr. John C. Garey, assistant to the vice-president of sales and advertising, of Red Star Yeast and Products Company, Milwaukee, Wis., died August 16 in that city. He was forty-five years old.

Dr. Roy E. Clausen, chairman of the department of genetics at the University of California, Berkeley, Calif., died August 21 in that city. He was sixty-four years old. Dr. Clausen was well known for his work on heredity and evolution through a study of tobacco and related plants.

Elaine G. Gillespie, wife of Louis Gillespie, president of Gillespie-Rogers-Pyatt Company, died August 10 in Morristown, N. J.

American Cyanamid

—Continued from page 5

tion of company engineers and technicians who have been investigating the project for several years.

Although more than twenty essential factors were considered in choosing the plant site, he declared, two of the most important—excellent quality of water needed to process "Creslan," and proximity to the source of raw materials—gave the Florida location top rating. Mr. Loosli pointed out that its location also lends itself to efficient servicing of southeastern states, where the bulk of the nation's textile spindles and looms are now concentrated.

Mr. Loosli has been with Cyanamid since 1937 and held numerous posts in the Organic Chemicals Division prior to his appointment, in 1954, as assistant general manager, fine chemicals division. Immediately prior to his new appointment he was assistant general manager of the company's industrial chemicals division.

Other appointments in the fibers division, to date, include:—W. L. Lyall, sales manager; C. W. Bendigo, technical director; and N. H. Marsh, who will be manager of the Florida plant.

Indiana Standard

—Continued from page 4

Amoco Chemicals Corporation when consolidation of the companies is completed late this year.

The first step in the reorganization has been taken with the renaming of the Hidalgo Chemical Company to the new name Amoco Chemicals Corporation. Amoco Chemicals has qualified to do business in all forty-eight states.

The subsidiaries being consolidated are Indoil Chemical Company, Chicago; Pan American Chemicals Corporation, New York; and Amoco Chemicals Corporation, formerly Hidalgo Chemical Company, Tulsa, Okla. Mr. Forrester said that this consolidation is designed to make it possible for Standard Oil Company (Indiana) to develop its chemical activities more aggressively and to increase sales and operating efficiency.

Headquarters of Amoco Chemicals Corporation after the consolidation will be at Chicago.

The chemical consolidation is part of a recently announced functional reorganization of nine Standard Oil Company (Indiana) subsidiaries into four.

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Agricultural Chemicals

A major producer dropped the price of anhydrous ammonia and nitrogen fertilizer solutions last week. The move is part of a program of prices graduated to approximate the cycle of seasonal demand. The new program breaks the anhydrous ammonia sales year into three periods, base prices applying January to June; then shifting in July to September to a price of $72 per unit ($8 less than the regular listing); and closing in October to December with a quote of $75 per unit. The prices of nitrogen fertilizer for the same periods are $1.20 per unit, $1.10 and $1.14.

Heavy buying of ammonium sulfate on the part of India has been reported. Authoritative sources noted that the material will be used for a program slated for the first eight months of 1957. The largest sale of the material, 190,000 tons, was bought from the United States and Canada. Material was also bought from Germany, Austria and Italy.

Supplies of fishmeal and fishscraps were reported moderate. The market, dealers said, was dull. Listings remained unchanged.

Short supplies and extremely tight competition appeared to be the pesticide story again last week, dealers here on spot and producers at source said. Some manufacturers of DDT noted that they were sold out of material for a month or two ahead. Both domestic and foreign demand continue heavy and steady in this market. In the 2-4-D market, dealers noted that the materials potential was vastly greater than that at the moment being realized. The feeling is that once the market begins to open up, it will expand in leaps and bounds. 2,4,5-T was also in the same boat, though truly fierce competition made the market difficult for dealers to operate.

Price Trends

Advanced

None

Reduced

Ammonia, anhydrous, $8 per ton.
Nitrogen fertilizer, 10c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Aug. 26, 1955
107.22	107.15	106.30	110.78

For Current Prices see Page 9

Animal and Plant Foods

Ammonia Anhydrous — Dealers last week announced an off-season reduction in the price of anhydrous ammonia. The new listing, a solid cut of $8 per ton brings the spot quote down to $72. The period covered by the price slash is July 1 to September 30. A further shift will take place in October, when the price, until December, will be $75 per ton. On January 1 the price will be returned to the $80 a ton quote. The move follows a pattern used more and more frequently in industry. That of staggering prices so that buying and sales will spread more evently through the year, thus relieving the pressures of the quiet periods and fattening up the soft months.

This was the second price drop of any kind for anhydrous ammonia this year, dealers noted. Earlier, at the beginning of the off-season period, in July, the price declined $5 per ton to the $80 figure.

An interesting sidelight on the condition and state of the anhydrous ammonia market is the recently released Census Bureau reports on production. According to the report, the material declined in production during the month of June. The figures for that month showed production at 262,093 short tons as compared with the 310,422 figure tallied for the month previous. The June figure is 16 percent less than that computed for May.

Ammonia Liquor—Cokeoven production, in terms of ammonia content, was 2,825,548 pounds in June, the Bureau of Mines reported, compared to output of 3,066,215 pounds in the month previous and 2,725,800 pounds in June, 1955. Totals for the first six calendar months were 18,203,562 pounds this year, 16,469,200 pounds in 1955.

Sales amounted to 1,567,689 pounds in June this year, 2,166,368 pounds in the month previous, 1,343,100 pounds in June, 1955. In the first six calendar months, sales aggregated 11,466,650 pounds this year, as against 9,465,000 pounds last year.

Stocks at the end of the period amounted to 3,097,827 pounds for June of this year, compared to 2,995,020 pounds at the end of the month previous and 2,980,510 pounds a year earlier.

Ammonium Nitrate — Production of original solution ammonium nitrate slipped 12 percent production-wise during the month of June, the Bureau of Census reported. Figures for June showed a production of 158,318 short tons of ammonium nitrate as compared with the May figure of 180,430 short tons.

Ammonium Sulfate—Dealers reported Wednesday on heavy international buying on the part of India of this material for the first eight months of 1957. The greatest quantity, 190,000 tons, was bought from Canada and the United States. Other purchases were:

	tons
Germany	80,000
Austria	20,000
Italy	20,000

Included in the purchase was 45,000 tons of urea from Europe.

Dealers here on spot noted that the large quantity of ammonium sulfate bought from this area should go a long way toward relieving the high inventories presently held.

Animal Proteins—Supplies of Atlantic and gulf coast fishmeal and fishscrap were reported as moderate with demand light and the market dull. The listings of both remained at their previous levels of $135 and $131 per pound, respectively.

Nitrogen fertilizer—One major producer last week announced off-season reductions in the price of nitrogen fertilizer solutions. The new shift, meant to act as a seasonal and off-season price and buying leveler, will go into effect July 1. For the period from that date until September 30, nitrogen fertilizer will sell for $1.10 per unit, or 10c. per unit less than previously quoted. From October 1 to December 31, the solutions will be priced at $1.14 per unit. On January 1, 1957, the nitrogen

The last time this material shifted was in a full scale decline of 7c. per unit on July 1. At that time, dealers and producers, in order to contend with growing stocks and listless demand, slashed the listing. Prices at that time were also dropped in ammonium nitrate fertilizer and anhydrous ammonia. The latter has also been declined on the graduated scale.

Phosphate Rock—Dealers here reported that the normal off season period remained with the market holding. Shipments appeared to be holding somewhat, with exports building up. The seasonal period should commence in August and September.

Potash Muriate—Material appeared to be moving somewhat better in this market, dealers here reported last week. The inventory situation was partially cleared up with a heavy U. S. sales of material to Japan.

Superphosphate—Dealers here reported that this market continued very dull. Spring sales were considered not good and inventories remain heavy.

Pesticides

DDT—Dealers reported here that supply was short in many areas with some producers reporting that they were sold out for a month or two ahead. Both domestic and foreign demand continued to show extremely heavy strength. Granular formulations were moving in good volume in areas plagued by the corn borer.

2,4-D—Demand continued strong, dealers here reported last week, and producers regarded the potential as many times the equal of the current market. Price competition was severe, however, and many traders were finding it difficult to operate at high levels.

2,4,5-T—Fierce competition made this market less attractive than it might be, but demand continued to show up very well, dealers here reported last week. Producers expected to open up broad new markets for this brush killer, dealers noted. They said that its great ability to deal with sagebrush showed a vast potential in its future.

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Drugs, Fine Chemicals

Business was seasonally on the quiet side in drug and fine chemicals last week but there was some evidence of a gathering momentum as fall approached. Molasses for the feed trade moved up ½ cent per gallon in New Orleans and 1 cent per gallon in New York, despite only moderate buying interest. Materials going into general analgesics, such as aspirin, phenacitin, and caffeine were beginning to move. Some substantial orders, following the lull of the summer months, were being placed for delivery this month, and September deliveries currently on the books looked good.

There were no significant price movements last week. Rauwolfia and its alkaloid reserpine were moving steadily at prices established about three weeks ago. Narcotics were slow and dull. Vitamins were moving strongly in heavy volume. Some low priced foreign competition nibbled at the ascorbic acid market, but domestic producers were not particularly concerned about it, except as a nuisance.

Torula yeast of the USP XV specification was making a strong price advantage bid for that market against the comparable debittered saccharomyces cerevisiae beer by-product variety. Potassium iodide for the feed trade, and particularly the mixes were in a competitive rat race, and have been for weeks, from which there were no immediate signs of relief.

Botanicals were strong pricewise, especially domestic items, in view of the impending scarcity due to lack of sufficient labor to gather the crops. With the pharmaceutical buying interest picking up on caffeine, the carbonated soft drink heavy caffeine consumption was likely to fall off a bit as colder weather approaches. Also subject to this same decline was the demand for saccharin and calcium cyclamate for the low-caloric type carbonated beverages. As of last week, though, business was holding up reasonably well. Trading in bismuth salts has been slow. Silver salts settled down firmly after the price rise of the previous week.

Acetophenetidin — This phenacetin, which is an important ingredient of the commonly called APC tablets widely used as an all purpose analgesic, was beginning to show signs of a live market developing as fall approaches, following a summer lull of seasonal inactivity. Supplies were quite adequate to meet all calls, and raw materials for manufacture were well abundant and readily available. Current price levels for USP quality material in barrel quantities f.o.b. producing plant ranged from $1.17 to $1.19 per pound depending upon quantity.

Aspirin—Business was beginning to pick up last week, following a summer lull of several weeks in which business was particularly slow. Orders were coming in, some for shipment now, and also for shipment in September, which represented a very good indication that fall business in this analgestic would be good. Naturally, after a long period of very slow business, there were ample stocks available to promptly take care of all calls. Raw materials for aspirin manufacture were abundant. Price patterns which have long prevailed were holding firm, and expected to carry through the fourth quarter.

Caffeine—Over past weeks the market has been seasonally good, but there were indications in some quarters of some greater activity last week in so far as customer inquiry and buying interest was concerned. Most of the interest stemmed from firms using it to manufacture APC tablets and cold remedies, as production for winter requirements began to be stepped up. Price patterns were firm and unchanged.

While the coming cold weather will see a drop in the consumption of caffeine containing carbonated soft drinks, this will to some extent be offset by greater pharmaceutical demand.

Molasses — Feed molasses was a bit stronger last week. Prices were quoted ½c. per gallon higher in New Orleans and 1c. per gallon higher in New York, making current listings 16c. to 16½c. and 17c. to 17½c. per gallon respectively. Supplies were quite adequate at all points. Demand was said to be moderate to slow on the East Coast and moderate on the West Coast.

Molasses use for the production of ethyl alcohol amounted to 54,500,000 gallons during the first six months of this year, an increase of 42 percent over the 31,900,000 gallons used for this purpose during the first half of last year.

Total production of 1956 Cuban high-test molasses was 110,800,000 gallons according to trade sources. Of this amount, about 88,000,000 gallons had been exported as of June 30, 1956. Of the 100,000,000 gallons of 1956 Cuban blackstrap sold, all but about 8,000,000 gallons had been exported as of the same date.

Potassium Iodide — For the straight potassium iodide, makers maintained a level of $1.90 per pound on their price lists, but the market was so competitive that competition had to be met at lower than this figure on most volume sales. The big rat race, however, in the potassium iodide field was not on the straight iodide, but on the various mixes sold to the feed industry. These are not listed in OPD. Just what the market was on the mixes was a matter for conjecture as compe ition was such that sales of significant volume tended to be negotiated individually and seek their own level.

Reserpine—This alkaloid was in ample supply last week. Prices for the past three weeks have hung around $3.75 per gram, for the crystals in bot les. Demand for the alkaloid for use in drugs to treat nervous disorders, mental disease, and hypertension has been steadily on the increase. The increase in consumption over recent months has been slow and steady, rather than spectacular, and this was regarded as more solid and healthy for the industry.

Competition was keen, however. With quite abundant natural material available, there was some conjecture as to whether or not the 16 step organic synthesis of the material would become commercial. However, the existence of such a process would tend to have a stabilizing influence on the price structure of the natural product.

Sulfa Drugs—The price picture on all sulfa drugs was firm and unchanged, with supplies quite ample to meet all calls. Demand was at a steady but unspectacular pace.

Production of sulfa drugs (bulk material only) amounted to 235,722 pounds compared to 219,230 pounds in March, 1956, according to the Tariff Commission.

Yeast—Brewers yeast, dried to make it inactive, and used as a source of natural vitamin B complex factors, contains thiamine, riboflavin, niacin, and may also contain pantothenic acid and pyridoxine.

Yeast for this purpose currently on the market is of two types. The pure primary grown yeast is available in various grades and potencies. In quantities of 200 pounds and up, packaged in 100 pound fiber drums, minimum freight allowed in the United States and Canada, pure primary grown yeast, dried and inactive, was priced as follows:

The 50 International B units per gram type at 47c. per pound; 90 international B units per gram at 52c. per pound; 200 international B units per gram at 56c. per pound; 300 international B units per gram at 60c. per pound, and 2,000 international B units per gram at $1.05 per pound in 5,000 lots.

In addition, there was also available a debittered dry brewer's yeast, which is known as "Debittered Brewers Dried Yeast, USP XV," which is a by-product yeast dried to render it inactive. This material, having vitamin potencies per gram of approximately 150 micrograms of thiamine, 45 micrograms of riboflavin, and 400 micrograms of niacin, was quoted at 27c. per pound in 200 pound lots or more, on a freight allowed basis.

The debittered yeast is usually of the Saccharomyces cerevisiae genus, and is a

Price Trends

Advanced
Molasses, New Orleans, ½c. per gal. New York, 1c. per gal.

Reduced
None.

Comparative Price Indexes
(100—1949 average)

Last week	Prev. week	Last month	Aug. 26, 1955
65.84	65.85	65.85	66.48

For Current Prices see Page 9

by-product from the brewing of beer. It is washed free of beer and dried. To meet USP specifications, it may or may not be debittered, but the material listed above is debittered in order to meet with good trade acceptance.

Since the original binding of the USP XV, a supplement has been issued which allows the use of the Torula genus of yeast. There is, accordingly, on the market a USP dried yeast of the Torula variety which is primary grown, and which contains approximately 150 micrograms of thiamin, 500 micrograms of niacin, and 50 micrograms of riboflavin per gram. In quantities of 200 pounds and up, this Torula dried yeast was quoted at 18c. per pound delivered in the United States. This was some 9c. per pound under current quotations fo the comparable debittered by-product Saccharomyces cerevisiae dried yeast.

Botanicals

The spot market was well held at seasonal levels. The supply outlook for the coming year was quite bleak on many domestic items due primarily to the lack of available labor for harvesting or collecting the crops. Collections were reported quite short on such items as senega root, white pine bark, wild cherry bark, and lobelia herb, all of which are fairly substantial volume items.

Imported botanicals were moving steadily under a firm price position. Such items as licorice and papain remained in heavy volume.

Guar Gum—Demand for this material as a suspending and thickening agent continued at a high level. Price patterns established some months ago remained firm and unchanged.

Rauwolfia—Assayed rauwolfia serpentina was priced last week at $1.75 per pound. Rauwolfia was no longer the hot item that it was when it first came upon the market. The market was, as is so often the case with a new item in which the uninformed and uninitiated can readily enter, quite hectic a year or two ago, and all kinds and qualities were being bought and shipped. However, the market has now become more mature, with marginal speculators eliminated from the picture, and with wise buyers confining their interests to assayed, and pretested material.

FDA Deputy Post Goes to Dr. Peter Farago

Dr. Peter J. Farago has been appointed deputy medical director of the Food and Drug Administration. FDA's bureau of medicine is responsible for advising the FDA on all medical questions involved in enforcement of the food, drug, and cosmetic act.

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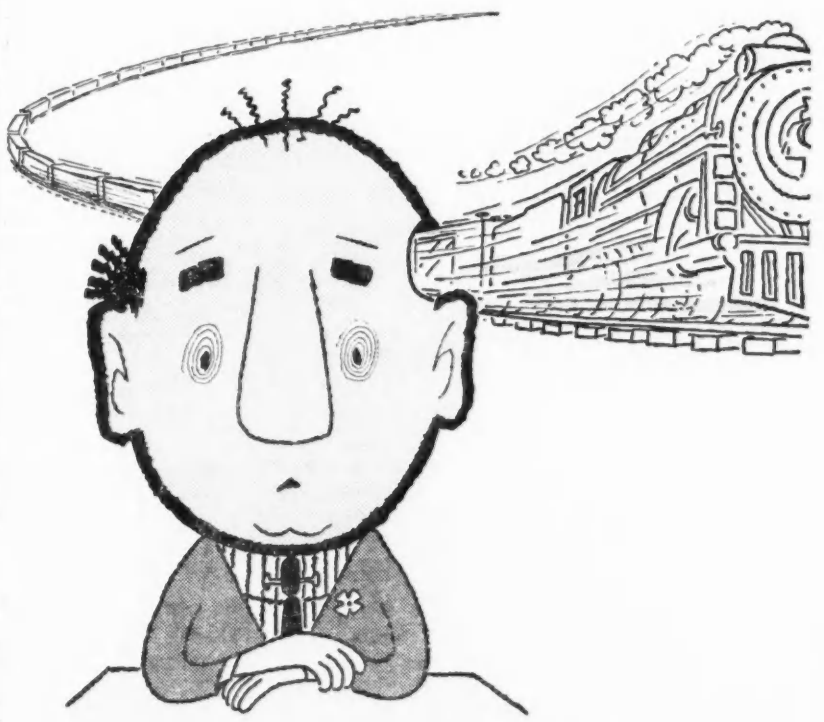

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on Your Train of Thought?
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AGAR—15 bls, Halford Lewis Co, Kobe
ALMOND OIL—10 bbls, Magnus Mabee & Reynard, Rotterdam
AMMONIUM CHLORIDE—8 dms, Hoffmann-La Roche Inc, Hamburg
AMYRIS OIL—3 dms, John D Walsh Co, Port Au Prince
ANILINE DYES—9 dms, Carbic Color & Chemical Co, Rotterdam
28 dms, Hensel Bruckmann & Lorbacher, Hamburg
2 dms, Geigy Chemical Corp, Havre
38 dms, Geigy Chemical Corp, Bremerhaven
42 dms, Sandoz Chemical Works, Bremerhaven
ANTIMONY REGULUS—478 cs, Cosmos Shipping Co, Trieste
80 cs, C Gitlan, Antwerp
ARABIC GUM—300 bgs, Chase Manhattan Bank, Port Sudan
602 bgs, National City Bank, Port Sudan
100 bgs, Brown Bros, Port Sudan
65 bgs, Manufacturers Trust Co, Port Sudan
250 bgs, Bank of N Y, Port Sudan
250 bgs, Port Sudan
BABASSU NUTS—30 bgs, B M T Commodity Corp, Tutoia
BARIUM CHLORIDE—220 bgs, Interstate Chemical Corp, Rotterdam
BEESWAX—202 bks, Wm Diehl & Co, Assab
34 bgs, Cornelius Wax Refining, Puerto Plata
33 bgs, Havana
45 bgs, Tampico
BISMUTH—28 cs, Cerro de Pasco Corp, Callao
BONE—118 bgs, Erba Corp, Bombay
BRUCINE—10 cs, Lo Curto & Funk, Glasgow
BUTTONLAC—150 bgs, Calcutta
BUTYROLACTONE—223 dms, Hensel Bruckmann & Lorbacher, Rotterdam
CADMIUM—100 cs, Intercontinental Metal Corp, Antwerp
CAMPHOR OIL—10 dms, Lo Curto & Funk, Keelung
25 dms, Ungerer & Co, Keelung
POWDER—50 cs, Manufacturers Trust Co, Keelung
50 cs, Magnus Mabee & Reynard, Keelung
20 cs, Natural Products Corp, Keelung
CANANGA OIL—14 cs, Ungerer & Co, Penang
CANDELILLA WAX—514 bgs, Tampico
CARAWAY SEED—200 bgs, Louis Furth, Rotterdam
100 bgs, Rotterdam
CARDAMOM SEED—20 cs, Chemical Bank, Cochin
CARNAUBA WAX—288 bgs, Balfour Guthrie, Tutoia
125 bgs, Chemical Bank, Tutoia
439 bgs, Strahl & Pitsch, Tutoia
614 bgs, Tutoia
89 bgs, Wm Diehl & Co, Fortaleza
67 bgs, Frank B Ross, Fortaleza
CASEIN—2,000 bgs, Overseas Merchants Corp, Hamburg
200 bgs, Pan Industrial Corp, Buenos Aires
1,000 bgs, P A Dunkel, Buenos Aires
1,000 bgs, Red Line Commercial Co, Buenos Aires
1,000 bgs, Melbourne
3,000 bgs, Buenos Aires
CASHEWNUT SHELL LIQUID—109 tons, Irvington Varnish & Insulator Co, Cochin
53 dms, Marine Trust Co, Cochin
CASSIA—253 bls, P H Petry, Rotterdam
178 bls, J F Frank, Rotterdam
1,780 bls, Borneo Sumatra Trading Co, Rotterdam
CASTOR BEANS—735 bgs, Baker Castor Oil Co, Guayaquil
9,315 bgs, Baker Castor Oil Co, Salvador
CELERY SEED—170 bgs, Dodge & Olcott, Bombay
143 bgs, George Lueders & Co, Bombay
85 bgs, Fritzsche Bros, Bombay
76 bgs, Louis Furth, Marseille
30 bgs, A G Dunn, Marseille
CHESTNUT EXTRACT—1,000 bgs, Barkey Importing Co, Genoa
CHLOROPHYLL—1 cs, Chas L Huisking & Co, Southampton
CHOLIC ACID—12 dms, Bankers Trust Co, Buenos Aires
CINNAMONBARK OIL—3 cs, Volkart Bros, Colombo
CINNAMON QUILLS—100 bls, Colombo
CITRONELLA OIL—135 dms, Lo Curto & Funk, Keelung
25 dms, Swiss Credit Bank, Keelung
15 dms, Civaudan Corp, Keelung
10 dms, Centflor Manufacturing Co, Keelung
35 dms, Keelung
COALTAR—1,951 tons, Allied Chemical & Dye Corp, Hamilton
DYES—39 dms, Hensel Bruckmann & Lorbacher, Rotterdam
1 dm, Tar Residuals Inc, Rotterdam
16 dms, Antwerp
4 dms, Rotterdam
COCONUT OIL—650 tons, American Trust Co, Zamboanga
1,549 tons, American Trust Co, Cebu
1,833 tons, Manila
COD OIL—159 dms, Nopco Chemical Co, St Johns
CODLIVER OIL—34 tons, Dyson Shipping Co, Reykjavik
COPAL GUM—101 bkts, Wm H Scheel, Macassar
135 bkts, Gillespie Rogers Pyatt, Macassar
38 bkts, S Winterbourne & Co, Macassar
256 bgs, S Winterbourne & Co, Matadi
CORIANDER O.L—1 bbl, Superintendence Co, Rijeka
CORN STARCH—224 bgs, Universal Transcontinental Co, Rotterdam
672 bgs, Rotterdam
COTTON LINTERS—1,369 bbls, Antwerp
CREAM OF TARTAR—400 bgs, Nylos Trading Co, Genoa
CUTTLEFISH BONE—40 cs, Guaranty Trust Co, Bombay
160 cs, Wagner Bros, Kobe
315 cs, Venice
150 cs, Marseille
DAMMAR GUM—105 bgs, Gillespie Rogers Pyatt, Singapore
25 cs, Gillespie Rogers Pyatt, Singapore
210 bgs, O G Innes Corp, Singapore
112 bgs, S Winterbourne & Co, Singapore
13 bgs, O G Innes Corp, London
25 bgs, Rotterdam
DEXTRIN—200 bgs, Stein Hall Co, Rotterdam
DIPHENYLHYDRANTOIN ACID—8 kgs, Henley & Co, Hamburg
EARTH COLORS—1,670 bgs, Naftone Inc, Bremen
ETHYL CENTRALITE—19 dms, Naftone Inc, Hamburg
EUCALYPTUS PHELLANDRENE—29 dms, Marine Midland Trust Co, Melbourne
FISHLIVER OIL—5 dms, Silmo Chemical Corp, Yokohama
15 dms, Arista Oil Products Co, Yokohama
9 dms, Yokohama
FLOUNDERLIVER OIL—2 dms, R S Reade, Yokohama
FUEL OIL—135,362 bbls, Metropolitan Petroleum Corp, Curacao
171,715 bbls, Esso Standard Oil Co, Amuay Bay
74,263 bbls, Asiatic Petroleum Corp, Curacao
67,345 bbls, Hess Inc, Punta Cardon
151,833 bbls, Paragon Oil Co, Punta Cardon
103,724 bbls, Asiatic Petroleum Corp, Punta Cardon
170,000 bbls, Esso Export Corp, Aruba
100,575 bbls, Esso Standard Oil Co, Caripito
108,991 bbls, Esso Standard Oil Co, Aruba
FULLERS' EARTH—200 bgs, L A Salomon & Bro, Avonmouth
GALLNUTS—140 bgs, Zinsser & Co, Beirut
GELATIN—115 bgs, T M Duche & Sons, Antwerp
400 bgs, Coignet Chemical Co, Antwerp
50 dms, B Young & Co, London
GLYCERINE—82 dms, R P Casado, Havana
GRAPHITE—750 bgs, Asbury Graphite Mills, Colombo
2,000 bgs, Asbury Graphite Mills, Narvik
2,500 bgs, Asbury Graphite Mills, Hong Kong
375 bgs, C Pettinos, Colombo
GUAR GUM—200 bgs, Morningstar Nicol, Rotterdam
GYPSUM—10,462 tons, U S Gypsum Co, Hantsport
4,187 tons, U S Gypsum Co, Little Narrows
H-ACID—38 dms, Kaufmann & Vinson, Rotterdam
HORNMEAL—600 bgs, Wessel Duval & Co, Fortaleza
IODINE, CRUDE—160 kgs, North Atlantic Fertilizer & Chemical Co, Yokohama
IRON OXIDE—280 bgs, F L Kraemer, London
KAOLIN—60 dms, E Fougera & Co, London
KARAYA GUM—127 bgs, Stein Hall & Co, Bombay
301 bgs, Morningstar Nicol, Bombay
122 bgs, Thurston & Braidich, Bombay
269 bgs, Colony Import & Export Corp, Bombay
183 bgs, Tragacanth Importing Corp, Bombay
301 bgs, Meer Corp, Bombay
LACTOSE—60 bgs, Frank Samuel & Co, Rotterdam
LEMON OIL—8 dms, Ungerer & Co, Vera Cruz
2 dms, Lo Curto & Funk, Vera Cruz
22 dms, Fritzsche Bros, Vera Cruz
12 dms, W F Meneke, Vera Cruz
1 dm, Vera Cruz
LEMONGRASS OIL—6 dms, National City Bank, Cochin
17 dms, Volkart Bros, Cochin
25 dms, Puerto Barrios
LICORICE ROOT—694 bls, S B Penick & Co, Piraeus
56 bgs, S B Penick & Co, Piraeus
24 bgs, S B Penick & Co, Beirut
LIGNIN PITCH—1,600 bgs, Barrentan Research Corp, Oslo
LIME OIL—3 dms, Norda Essential Oil & Chemical Co, Port Au Prince
LITHARGE—1,166 dms, Eagle Picher Co, Tampico
LITHOPONE—800 bgs, C J Osborn Co, Rotterdam
LIVERMEAL—223 bgs, Woodward & Dickerson, Buenos Aires
LOCUST BEAN GUM—100 bgs, T M Duche & Sons, Rotterdam
872 bgs, T M Duche & Sons, Genoa
224 bgs, Stein Hall & Co, Genoa
200 bgs, Uni Gum Corp, Genoa
101 bgs, Thurston & Braidich, Genoa
100 bgs, P A Dunkel, Genoa
MACE—28 cs, Kellys America Ltd, London
53 cs, Rotterdam
MANGANESE—36 cks, Ray-O-Vac Co, Liverpool
MANGROVE BARK—3,600 bgs, American Extract Co, Tumaco
MARJORAM LEAVES—35 bls, Louis Furth, Marseille
36 bls, Karl H Landes & E Balint, Marseille
MEDICINAL SALT—44 dms, Globe Shipping Co, Hamburg
MENTHOL—65 cs, Magnus Mabee & Reynard, Santos
MENUKE LIVER OIL—5 dms, Consumers Import Co, Yokohama
MERCURIC CYANIDE—2 dms, Lo Curto & Funk, Southampton
MERCURY—62 flks, Metalsalts Corp, Tampico
MOLASSES—550 tons, W R Grace & Co, Salaverry
MUSTARD OIL—10 cs, Magnus Mabee & Reynard, Hamburg
MYROBALANS—800 bgs, River Plate Corp, Bombay
EXTRACT—220 bgs, Tanimex Corp, Hull
NAPHTHALENE—800 bgs, Koppers Co, Liverpool
NAPHTHENIC ACID—2,311 bbls, Esso Standard Oil Co, Aruba
NAPHTHOL—16 dms, Kaufmann & Vinson, Genoa
2 dms, Hensel Bruckmann & Lorbacher, Hamburg
NUTMEG—181 bgs, Kellys America Ltd, London
42 bgs, R J Spitz, Singapore
187 bgs, Rotterdam
OLIVE OIL—128 dms, First National Baltimore, Seville
50 dms, Bankers Trust Co, Seville
26 dms, Lekas & Drivas, Genoa
23 dms, Marine Midland Trust Co, Barcelona
25 dms, National City Bank, Barcelona
10 dms, Manufacturers Trust Co, Barcelona
102 dms, First National Boston, Barcelona
40 bbls, J Weber & Co, Marseille
ORANGE OIL—10 dms, Ungerer & Co, Dakar
OREGANO—220 bgs, M J Golombeck, Piraeus
OURICURY WAX—55 bgs, Chase Manhattan Bank, Rijeka
56 bgs, Colonial Trust Co, Rijeka
PALM OIL—405 tons, Balfour Guthrie, Boma
PALMKERNEL OIL—46 dms, Rotterdam
PALO SANTO OIL—29 cs, Chase Manhattan Bank, Buenos Aires
PAPAIN—20 cs, Kellys America Ltd, London
PAPRIKA—100 bgs, Rijeka
PATCHOULI OIL—3 dms, American Express Co, Penang
36 dms, Kane Import Corp, Penang
2 dms, A Verley & Co, Singapore
PEATMOSS—2,250 bls, Bruco Peatmoss Corp, Bremen
1,500 bls, J E Bernard, Bremen
2,000 bls, Ascot Peatmoss Corp, Bremen
500 bls, State Export Co, Bremen
4,630 bls, Premier Peatmoss Corp, Bremen
1,175 bls, New Amsterdam Import Co, Bremen
1,500 bls, C Fafard, Bremen
1,000 bls, E J Lang, Bremen
2,000 bls, E Dunwoody, Bremen
1,063 bls, Marine Midland Trust Co, Bremen
3,000 bls, J E Bernard, Hamburg
PECTIN—96 kgs, T M Duche & Sons, Copenhagen
PENARROYA REGULUS—225 cs, International Selling Corp, Antwerp
PEPPER, BLACK—70 bgs, Otto Gerdau, Singapore
300 bgs, Borneo Sumatra Trading Co, Kuching
70 bgs, Plantation & Colonial Products, Singapore
60 bgs, Internatio Rotterdam, Kuching
70 bgs, Mincing Trading Corp, Colombo
80 bgs, Otto Gerdau, Cochin
160 bgs, Cochin
RED—65 bgs, M J Golombeck, Kobe
WHITE—70 bgs, East India Trading Co, Singapore
70 bgs, Mincing Trading Corp, Singapore
450 bgs, Internatio Rotterdam, Pangkal Pinang
PETITGRAIN OIL—18 dms, Chase Manhattan Bank, Buenos Aires
PETROLEUM, CRUDE—103,115 bbls, Bayonne Industries, Vera Cruz
201,000 bbls, Esso Standard Oil Co, Puerto La Cruz
107,744 bbls, Cities Service Oil Co, Tampico
60,000 bbls, California Oil Co, Maracaibo
54,395 bbls, American Bitumuls & Asphalt Co, Maracaibo
a-PICOLINE—120 dms, H A Gogarty, Liverpool
PINE OIL—6 cks, Givaudan Delawanna Inc, Antwerp
POLLACKLIVER OIL—20 dms, Consumers Import Co, Yokohama
10 dms, National City Bank, Yokohama
90 dms, Mitsubishi International Corp, Beirut
POPPY SEED—100 bgs, Rotterdam
PSYLLIUM SEED HUSKS—237 bgs, Prentiss Drug & Chemical Co, Bombay
PYRIDINE—6 dms, Chemical Bank, Rotterdam
QUEBRACHO EXTRACT—7,078 bgs, International Products Corp, Buenos Aires
650 bgs, Tan American Corp, Buenos Aires
1,093 bgs, River Plate Corp, Buenos Aires
1,213 bgs, H Elkan & Co, Buenos Aires
QUINIDINE SULFATE—20 dms, Lo Curto & Funk, Hamburg
R SALT—16 cks, Atlantic Chemical Corp, Genoa
RUTILE SAND—1,940 bgs, Lo Curto & Funk, Brisbane
1,800 bgs, International Titanium Corp, Brisbane
3,990 bgs, Metal Traders Inc, London
406 bgs, Rotterdam
RUTIN—6 dms, Commercial Banking Co, of Sydney, Melbourne
SAGE LEAVES—10 bgs, Kellys America Ltd, Rotterdam
281 bls, Trieste
SALICYLIC ACID—40 cs, Rotterdam
SANDALWOOD—100 bgs, George Lueders & Co, Bombay
OIL—17 cs, Givaudan Corp, Cochin
3 cs, Volkart Bros, Bombay
SARSAPARILLA ROOT—31 bls, Tampico
SEAWEED EXTRACT—20 cks, National City Bank, Copenhagen
SABADILLA SEED—33 bgs, Royal Bank of Canada, Callao
SEEDLAC—250 bgs, A Kramer & Co, Calcutta
400 bgs, Gillespie Rogers Pyatt, Calcutta
200 bgs, Mac Lac Co, Calcutta
200 bgs, Parks Co, Calcutta
100 bgs, Wm Zinsser & Co, Calcutta
200 bgs, Haeuser Shellac Co, Calcutta
200 bgs, C H Timm, Calcutta
250 bgs, Chase Manhattan Bank, Bangkok
750 bgs, East Asiatic Co, Bangkok
250 bgs, Colony Import & Export Corp, Bangkok
SENNA CONCENTRATE—7 cs, London
LEAVES—50 bls, Manufacturers Trust Co, Colombo
SESAME SEED—400 bgs, Louis Furth, Santos
HULLED—200 bgs, Louis Furth, Beirut
150 bgs, Marine Midland Trust Co, Cristobal
SHARKLIVER OIL—3 dms, Arista Oil Products Co, Keelung
20 dms, Silmo Chemical Corp, Yokonama
SHELLAC—50 bgs, Wm Zinsser & Co, Calcutta
50 bgs, Mantrose Corp, Bremen
SOAP BARK—80 bgs, Meer Corp, Valparaiso
SODIUM CHLORITE—120 dms, Lo Curto & Funk, Hamburg
110 cans, Hamburg
SILICOFLUORIDE—770 bgs, E M Sergeant Pulp & Chemical Co, Hamburg
1,500 bgs, Riches Nelson, Rotterdam
SPEARMINT LEAVES—100 cs, Meer Corp, Alexandria
SULFANILYL BUTYLCARBAMIDE—1 dm, Masters Shipping Co, Rotterdam
TALC—1,730 bgs, Charles Mathieu, Genoa
TAMARIND SEED POWDER—57 bgs, Stein Hall & Co, Bombay
TANNING EXTRACT—42 dms, Geigy Chemical Corp, Havre
TAPIOCA FLOUR—7,200 bgs, Bank of China, Keelung
500 bgs, Manhattan Paste & Glue Co, Itajai
2,000 bgs, Morningstar Nicol, Itajai
4,000 bgs, Stein Hall & Co, Henrique Lage
3,000 bgs, Stein Hall & Co, Santos
TETRAMETHLYENEDIAMINE—2 cans, E. I. Dupont De Nemours & Co, Rotterdam
TRICHLOROETHYLENE—700 dms, Miny Corp, Venice
ULTRAMARINE BLUE—400 bgs, Whittaker Clark Daniels, Hull
UREA—2,200 bgs, Nylos Trading Co, Genoa
SYNTHETIC—2,000 bgs, Chemical Manufacturing Co, Hull
VANILLA BEANS—12 cs, Zink & Trieste, Marseille
45 cs, First National Boston, Cristobal
20 cs, Marine Midland Trust Co, Cristobal
21 cs, National City Bank, Cristobal
10 cs, Chase Manhattan Bank, Cristobal
38 cs, Otto Gerdau, Vera Cruz
26 cs, Djibouti
POWDER—26 cs, R L Oppenheimer, Marseille
VETIVER OIL—2 dms, Norda Essential Oil & Chemical Co, Port Au Prince
3 dms, Port Au Prince
VITAMINS—2 cs, Red Star Chemical Co, Rotterdam
WAX—66 bgs, Chemical Bank, Rio de Janeiro
244 bgs, Dura Commodities Corp, Rio de Janeiro
112 bgs, Bank of America, Rio de Janeiro
40 bgs, Wax & Rosin Products, Bremen
50 ctns, H A Gogarty, Glasgow
WHITING—400 bgs, Pluess Staufer, Antwerp
460 bgs, Antwerp
WOOL GREASE—82 dms, Robeco Chemicals Inc, Fremantle
54 dms, Hummel Chemical Co, Fremantle
114 bgs, Chase Manhattan Bank, Fremantle
70 dms, W J Byrnes & Co, Nagoya
148 dms, Olympic Shipping Co, Manchester
57 dms, N I Malmstrom, Hull
42 dms, National City Bank, Adelaide
22 dms, International Packers Ltd, Brisbane
ZINC CHLORIDE—42 dms, Riches Nelson, Antwerp
FLUOBORATE—1 dm, Bios Lab, Liverpool
OXIDE—10 bgs, Rotterdam
ZIRCON SAND—1,200 bgs, International Titanium Corp, Brisbane
4,000 bgs, Lo Curto & Funk, Brisbane

Los Angeles

CALCIUM NITRATE—5,000 bgs, Antwerp
CASEIN—100 bgs, Borden Co, Buenos Aires
CASTOR OIL—75 dms, Pacific Vegetable Oil Corp, Buenos Aires
CODLIVER OIL—10 dms, Nutro Dog Food Co, Rotterdam
COPRA—1,200 tons, American Trust Co, Cebu
1,333 tons, Procter & Gamble Co, Cebu
100 tons, Cargill Inc, Cebu
2,240 bgs, Iloilo
1,600 tons, American Trust Co, Tacloban
4,480 bgs, Procter & Gamble Co, Manila
EARTH COLORS—900 bgs, Naftone Inc, Bremen
FISH OIL—75 dms, Universal Foreign Service Co, Yokohama
FORMIC ACID—23 dms, L H Butcher Co, Rotterdam
IRON OXIDE—1,344 bgs, London
NAPHTHALENE—400 bgs, Carnegie Chemical Co, Amsterdam
NICKEL CHLORIDE—6 casks, London
SULFATE—50 casks, Hamburg
PAPRIKA—200 bgs, Gonzales & Bianco, Hamburg
PEPPER, BLACK—608 bgs, Djakarta
30 bgs, Borneo Sumatra Trading Co, Singapore
RED—178 bgs, Southern Terminal, Ensenada
PETROLEUM, CRUDE—7,368 long tons, Union Oil Co, Puerto la Cruz
QUEBRACHO EXTRACT—1,000 bgs, International Products Corp, Buenos Aires
TAPIOCA FLOUR—2,000 bgs, American Key Products Co, Bangkok
4,915 bgs, Stein Hall Co, Bangkok
1,000 bgs, Chartered Bank of India, Bangkok
UREA—400 bgs, C M C Chemicals Inc, Middlesbrough
WHITING—1,000 bgs, Synkoloid Co, Antwerp

Philadelphia

ALUMINUM SULFATE—80 bgs, Liverpool
ASBESTOS FIBER—934 bgs, Liverpool
BALL CLAY—3,300 bgs, Avonmouth
90 tons, Avonmouth
BEEF EXTRACT—476 cs, International Packers Ltd, Buenos Aires
500 cs, Societe General, Buenos Aires
BURNT SIENNA—1,100 bgs, Leghorn
CLAY—200 tons, Avonmouth
CRESYLIC ACID—100 dms, Concord Chemical Co, Manchester
CRYOLITE—2,160 tons, Penna Salt Manufacturing Co, Ivigtut
CUTTLEFISH BONE—100 cs, Kobe
FISH SOLUBLES—3,000 bgs, Walvis Bay
FLUORSPAR—2,322 tons, Aviles
FUEL OIL—103,000 bbls, Esso Export Corp, Aruba
GYPSUM—6,266 tons, U S Gypsum Co, Little Narrows
11,884 tons, National Gypsum Co, Halifax
MINERAL FLUORAL—1,600 bgs, Copenhagen
PEATMOSS—1,000 bls, Vucyk Van Nes Nurseries, Bremen
1,000 bls, Phila National Bank, Bremen
2,800 bls, Bremen
PETROLEUM, CRUDE—422,109 bbls, Gulf Oil Corp, Mina Al Ahmadi
207,163 bbls, Gulf Oil Corp, Las Piedras
202,197 bbls, Gulf Oil Corp, Puerto La Cruz
105,154 bbls, Atlantic Refining Co, La Salina
129,945 bbls, Socony Mobil Oil Co, Mina Al Ahmadi
111,646 bbls, The Texas Co, Puerto La Cruz
116,575 bbls, The Texas Co, Las Piedras
117,988 bbls, The Texas Co, Ras Tanura
115,597 bbls, The Texas Co, Pamatacual
POLLACKLIVER OIL—75 dms, Yokohama
SODIUM BICARBONATE—500 bgs, Chemical Manufacturing Co, Liverpool
CYANIDE—100 dms, C Hardy, Havre
TRICHLOROETHYLENE—100 dms, Liverpool
UREA—2,988 bgs, Liverpool

San Francisco

CARDAMOM SEED—14 cs, B C Ireland, San Jose
CASSIA—289 pkgs, Rotterdam
COPRA CAKE—89 tons, Balfour Guthrie, Cebu
208 tons, Internatio Rotterdam, Cebu
CORN STARCH—1,132 bgs, Universal Transcontinental Co, Amsterdam
EARTH COLORS—450 bgs, Naftone Inc, Rotterdam
900 bgs, Castelazo & Associates, Bremen
GINGER WASTE—33 bgs, K I Lister & Co, London
GLUE—20 bgs, London
MARJORAM—47 bgs, Callao
NUTMEG—66 bgs, Mincing Trading Corp, Singapore
28 bgs, Mincing Trading Corp, London
PAS-CALCIUM—8 dms, States Mercantile Co, Amsterdam
PEATMOSS—1,500 bls, Atkins Kroll & Co, Hamburg
300 bls, Grace & Co, Hamburg
PEPPER, BLACK—35 bgs, H M Newhall & Co, Singapore
70 bgs, Ziel & Co, Singapore
PETROLEUM, CRUDE—43,744 tons, Tidewater Oil Co, Umm Said
43,553 tons, Tidewater Oil Co, Mean Saud
120,000 bbls, Standard Oil Co, Vancouver
SESAME SEED—250 bgs, R J Spitz, Corinto
615 bgs, B C Ireland, San Juan Del Sur
TAPIOCA FLOUR—3,340 bgs, Internatio Rotterdam, Singapore
2,950 bgs, Brown Bros, Singapore
2,004 bgs, Stein Hall & Co, Bangkok

Pharmaceutical Delegates To Hold Parley Nov. 10-11

American Pharmaceutical Association's house of delegates will hold an interim meeting in Washington, D.C., November 10 and 11.

The house of delegates, which consists of 171 members representing all of the state pharmaceutical houses, the local branches of APhA, national pharmaceutical association, as well as the sections of APhA and members of the council and past-presidents, is the policy-forming body of the American Pharmaceutical Association.

APhA's 1957 annual convention will take place April 28 to May 3 at the Statler hotel, New York.

CMRA Sets Parley Agenda

"Canadian Chemical Economy" will be the subject of the September 26-28 meeting of the Chemical Market Research Association at the Chateau Frontenac hotel, Quebec, Canada. The November 13-14 meeting of the association will meet at the Harvard business school in Boston, Mass., and will have as its topic "New Methods and Technics in Market Research."

Peanut Oil Import Duty Cut 60 Percent by Portugal

The Portuguese import duty on peanut oil from foreign countries has been reduced temporarily by 60 percent, according to the Department of Commerce.

At the same time, imported olive oil to replace an equal quantity of exported Portuguese olive oil has been exempted from import duty. The changes apply only during the 1956-57 crop year.

The actions are aimed at maintaining Portuguese exports of olive oil at a time when domestic olive oil is in short supply and at favoring the importation of peanut to meet the deficit in edible oil supplies.

The government has continued its policy begun last May of requiring that peanut oil and domestic olive oil sold in Portugal must be mixed in equal proportions.

Polyglycol Series

—*Continued from page 7*

the new polyglycols in the paint, petroleum, detergent, plastic and coating industries as well as others.

Polyepichlorohydrin, a polymer of epichlorohydrin, is a polyglycol with chloro-methyl side chains and terminal hydroxyl groups. It reportedly offers the advantage of dual reactivity at either hydroxyl or chlorine sites, depending on reaction conditions.

Available in molecular weights of 450, 900 and 1150, polyepichlorohydrin is designated "Polyglycol 166."

Polystyrene glycol is prepared from styrene oxide and is said to offer advantages of high carbon-to-oxygen ratio because of its phenyl side chains. It is available in molecular weights of 500 and 750 and is designated "Polyglycol 174."

Both polyepichlorohydrin and polystyrene glycol are hydrophobic in nature and exhibit a high viscosity even at low molecular weights.

The polybutylene glycol series includes four molecular weights designated by the descriptive number in the nomenclature, "B-500," "B-1000," "B-1500" and "B-2000." These compounds are manufactured from 1,2 butylene oxide and 2,3 butylene oxide and have ethyl and methyl side chains.

The polybutylene glycols have a highly hydrophobic character even at the lowest molecular weights, according to Dow. They also have the highest known organic solubility of presently known polyglycols.

Polybutylene glycols, with the exception of their solubility characteristics, are similar to polypropylene glycols and have promise as lubricants.

While all three new groups of compounds are expected to find use in the production of polyurethanes and surfactants, polyepichlorohydrin is also expected to be used as a chemical intermediate in production of resins and coatings and the polybutylene series should also find use as a chemical intermediate in production of both emulsifiers and demulsifiers.

ADMA Disenchanted

—*Continued from page 3*

in the trade, officially came to light in June (OPD, 6/18/56) when it was revealed that preliminary talks had begun.

At the time, it was stressed, however, that the initial discussions were only exploratory in nature and that full agreement was still a long way off.

Though there were no further talks over the summer, based on OPD soundings last week, there have been some misgivings about the idea—at least on the ADMA side.

As things stand now, ADMA's executive committee is slated to meet in Chicago September 21, two days after a meeting in that city by its merger negotiating committee.

Presumably, at Chicago next month ADMA will decide what, if anything, it plans to do next about the merger.

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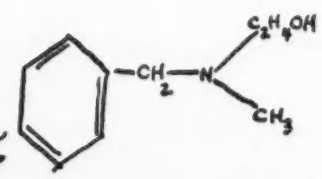

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Essential Oils, Aromatics

Dealers noted some movement in the market last week, with some of the first price shifts in weeks reported. The most unexpected movement was that of bois de rose oil, which for the first time in many months, shifted from its usual downward path and advanced in price. The new listing of $2.80 per pound is 15 cents more than the previous quote. Linalool, the aromatic chemical derivative of bois de rose, also advanced in price. The new quote for linalool is 25 cents per pound. Other movement in the market occurred in the citrus oils where lime and lemon material showed good stiffening on spot. Lemon oil advanced 25 cents per pound to a $5.75 listing; lime advanced 5 cents to a $3.80 per pound quote. The only other price shift in essential oils was that of lemongrass oil which declined 5 cents per pound on spot as a result of earlier reports of heavy acreage and crops at source. The new listing is $2.10 per pound.

Price Trends

Advanced
Linalool, 25c. per lb.
Oil, bois de rose, 15c. per lb.
Lemon, 25c. per lb.
Lime, 5c. per lb.

Reduced
Oil, lemongrass, 5c. per lb.

Comparative Price Indexes
(100 = 1949 average)

Last week	Prev. week	Last month	Aug. 26, 1955
138.45	138.38	137.85	134.84

For Current Prices see Page 9

Reports from European source areas last week noted that the cold February weather damaged both the wild and cultivated lavender crop to the extent of possible 20 percent curtailment of the anticipated harvest. Dealers read into this an obvious firm market for lavender, at least through this season. Stocks on hand at Grasse are claimed to be light (about 10 tons). The crop of Spanish spike, according to producers, is normal for the first time in years.

Both spearmint and peppermint oils had particularly heavy harvests this year, as the result of extended acreage operations in the spring. The spearmint crop is, according to the Bureau of Agriculture, 25 percent higher than last years, and peppermint is 12 percent higher than that of the previous year.

Seeds and spices showed some fairly good movement, though no drastic shifts have been noted. The peppers on nearly all levels showed improvement over previous positions. Nutmegs and mace continued on their high firm level and clove, followed in strength by its derivative oil, moved upward.

Essential Oils

Bois de rose — This material advanced in price in certain areas of spot last week, dealers here noted. The movement was the first advance in this direction for the South American material for many long months. The new listing of $2.80 per pound is 15c. per pound higher than previous listings. However, it was noted that material can still be acquired at previous listings. Dealers said that the shift evolved out of a somewhat short supply situation on spot while negotiations for additional lots of material at source have not been completed.

Clove—Dealers noted last week that this market has found new strength and was reflecting it in spot. The strength in clove oil is attributed to advances in the source material.

Lavender—Reports from Europe last week indicated that the very cold February weather did a certain amount of immediate damage to both the wild and cultivated lavender, especially amongst the old plants and there may possibly be a short of 20 percent, reducing the total crop of lavender to 60 tons as against the 75 tons of last year. Although it is difficult, dealers report, to say exactly what quantity of oil is left over from 1955, this is felt to not exceed 10 tons in the hands of producers.

With regards to the price, producers are anticipating that the very high price paid since the middle of last December will prevail in the 1956 crop. Even at this price producers appear unwilling to let their material go, hoping that the price will advance even further. It seems likely, therefor, that the producers will expect the price of the newcrop oil to start very high.

The crop of Spanish spike lavender for this year is reportedly normal for the first time in years. The crops last year and the year before were not considered good. However, because of the high prices of the past two years the rights to distill in certain places were auctioned at high prices in consequence of which the cost of production will be effected in the future. If the crop is good as anticipated, no great drop in price can be expected as a result of this condition.

Lavandin—The European crop, according to recent reports, should be about 400 tons, to which must be added an existing stock of approximately 60 tons. The price abroad has, according to dealers, advanced so heavily that there is virtually no difference between the selected and ordinary oil.

Lemon—Italian lemon oil showed firming prices on spot last week for the first time in a long while. The new listing of $5.75 per pound, dealers said, is 25c. higher than the previous quote. The shift has been attributed to good seasonal demand and shrinking stocks. The market for domestic material continues to show some strength in spite of the price leveling movement that took place earlier in the season.

Lemongrass—Dealers here on spot and abroad reported an easing movement in this market last week. They attributed it to reports of heavy acreage and crops expected with the pending harvest. The new listing of $2.10 per pound is 5c. less than that previously quoted.

Lime—This oil in both its qualities showed some slight upward movement last week, dealers here reported. The new listing, quoted for Mexican and West Indian distilled lime oil, was quoted at $3.80 per pound. This is 5c. higher than the previous listing. Dealers attributed the shift to good demand and tightening demand.

Rosemary—Producers from source have reported that the Spanish late frosts this year effected and caused low yield of rosemary. At present the plants are showing signs of recovery and after the distillation now in progress availability will be easier.

Spearmint—Department of Agriculture reports on production noted that 737,000 pounds or nearly one fourth more than last years 593,000 pounds of spearmint oil will be produced this year. This years tally is also higher by about one quarter than the 1949-54 average production of 601,000 pounds. The increase in spearmint oil production over last year results from high yields for the mid-western states as well as expanded acreages in Washington and Indiana. Weather conditions during July favored plant growth in Indiana and Michigan. Harvest of the spearmint crop got under way July 12. Cutting was well along with first cutting expected to be finished about now. Some of the early cut fields will be cut again in September. While growing weather recently has been favorable, fields appear to have suffered from dry spring weather and the freeze of last November.

Peppermint—This years production of peppermint oils is forecast at 2,173,000 pounds, according to the Bureau of Agriculture. This figure exceeds last year's production of 1,945,000 pounds by twelve percent and the average for 1949-54 of 1,594,000 pounds by thirty-six percent. Most of the indicated increase in peppermint oil over last year is attributable to a record crop in Indiana where acreage for harvest has expanded sharply and record yields are anticipated. Larger crops than last year are also expected in the Pacific states but small ones are anticipated in Wisconsin and Michigan. Harvest is under way in both states with good yields being realized. Crop condition is below a year ago in Wisconsin. Crop prospects are quite favorable in Oregon except in Jefferson County where growers had trouble in spraying for weed control. An estimated 500 acres will not be harvested in this county and yield will be reduced on the remaining acreage.

However, an increase in acreage in higher-yielding areas should offset this loss in Jefferson County. A small acreage

Essential Oils

has been distilled in the Eugene area but recent rains caused some delay in the starting of distilling operations in the important Marion-Linn area. Peppermint fields in Washington generally look good although foliage is short. The crop there has suffered from the freeze of last November and the subsequent dry spring. Some fields were plowed out because of poor stands. Harvest is expected to get underway in eastern areas the last of this month although cutting will not be generally underway until the first of September.

Aromatic Chemicals

Linalool — This material, according to dealers, followed the lead set by Brazilian bois de rose last week and advanced in price. The new firmness, denoted by a $4 per pound or 25c. per pound more than its previous quote, is the first sign of strength reflected by this market in many months. Some dealers claim that the movement is merely the work of producers and dealers to shift the prevailing soft tone of the market.

Seeds and Spices

Pepper — Dealers contended last week that the market had leveled off on spot. Nearby positions, they said, were strong. The uncertainty concerning a possible dock strike on or around October 1st restrained holders of these positions from offering freely, it was reported. Shipment levels were also reportedy good. Sarawak, for August shipment was supposedly held close to spot price. Malabar and lampong offerings attracted interest because they were only a few cents higher than the current price of Sarawak for shipment.

The demand was steady although not as heavy as it has been before. Spot and nearby Sarawak prices showed a heavy discount under those for spot Malabar/Lampong. This, dealers claimed, is a natural consequence of heavy arrivals of this quality over the past thirty days. However, if the whole market is to do better, it would seem logical that the Sarawak would have to move up first.

Bauer Replaces Burney In State Service Bureau

Dr. Theodore J. Bauer, a career officer in the Public Health Service since 1934, has been named deputy chief of the Bureau of State Services. He replaces Dr. Leroy E. Burney, recently appointed Surgeon General (OPD, 8/13/56).

Dr. Bauer for the past three years has been chief of the PHS Communicable Disease Center in Atlanta, Ga. He will become principal assistant to Dr. Otis L. Anderson, chief of the Bureau of State Services. Dr. Bauer will report for duty in Washington on September 15.

Nickel Anodes Removed From Controol by BDSA

Nickel anodes were removed last week from the list of controlled materials by the Business and Defense Services Administration.

BDSA said this action permits defense users of nickel anodes to continue to obtain them from suppliers by use of DO (Defense Order) ratings.

Cosmetic Parley Rescheduled

The Society of Cosmetic Chemists has rescheduled its annual scientific forum. The annual forum on basic problems in cosmetic science is now slated for October 4 and 5, with the technical meetings in the auditorium of the Barbizon-Plaza hotel, New York.

Jobs & People

Acheson Colloids Company, Port Huron, Mich.—**E. Ralph Egloff** and **Frank H. Mrozek** have joined Acheson as service engineers.

Archer-Daniels-Midland Company, Minneapolis, Minn.—**Raymond E. Fiedler** has been appointed manager of agricultural products developments for Archer and **Edward B. Dunning** has been named to the industrial chemical development group.

Illinois Institute of Technology, Chicago—**Arthur G. Dreis** has been appointed assistant manager of the chemistry and chemical engineering research department at Armour Research Foundation.

General Foods Corporation, White Plains, N. Y.—**Albert Steigmann** has been appointed consulting chemist and **Thomas T. Hill** named manager of photographic products for the Atlantic Gelatin Division of General Foods.

Becton, Dickinson & Co., Rutherford, N. J.—**Thomas W. Sterling,** formerly assistant to the manager of laboratory sales, has been named manager of the laboratory division of Becton.

Chemstrand Corporation, Decatur, Ala.—**Robert M. Amsler, Miss Margaret Barnett, Dr. Walter C. Carter, Thomas A. Guion** and **Peter P. Hermes** have been named group leaders of the product development, dyeing service, acrilan dyeing research, nylon dyeing research and cotton system spinning groups, respectively. **Dr. John B. Miles** has been appointed textile scientist in the research and development division of Chemstrand.

Commercial Solvents Corporation, New York—**J. P. Weary** and **D. W. Dever** have joined Commercial Solvent's Kansas City office as sales representatives for the western states. **N. D. Torchio** and **Edward Randolph** have been assigned sales areas in the Middle Atlantic and New England areas.

Delaware River Terminal & Warehouse Company, Philadelphia—**William B. Packer** has been named vice-president of the new tank terminal division of Delaware River Terminal.

Diamond Alkali Company, Cleveland, Ohio—**Ralph J. Martz** has been named plant manager of Diamond's Belle, W. Va., plant. His former position of superintendent of operations will be assumed by **Bernard L. Knapp.** Other appointments include that of **John H. Shadle** as assistant superintendent of the chlorinated products division's production facilities; **Robert N. Mongomery** as technical superintendent at the Deer Park plant, and **Jack A. Borror** as operations supervisor at the Belle plant.

H. K. Ferguson Company, Cleveland, Ohio—**Deane O. Hubbard** has been appointed specialist in chlorine plant design for Ferguson.

Kelite Corporation, Berkeley Heights, N. J.—**William J. Hennessy** has been named Eastern regional sales manager for Kelite.

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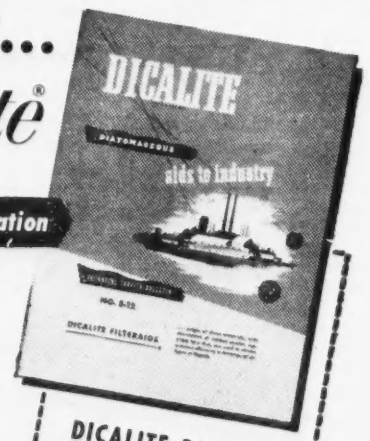

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Coatings Materials

With the vacation season nearly at an end the market was livening up last week. A spurt of buying interest from paint makers accounted for a more vigorous market in lead and zinc pigments, producers reported, while other prime pigments were recovering more gradually. An anticipated price advance in aluminum paste and powder failed to materialize, and some observers guessed that producers would absorb the recent 1 cent increase in the price of aluminum. It was noted though, that other aluminum derivatives had been advanced proportionally.

Competition in octyl-type phthalates remained keen last week, and all producers were shading their quotations below the list prices. The reduced prices, though, have not been made official. Dioctyl phthalate listed at 30½ cents per pound, is selling at 28 cents per pound. Di-iso-decyl phthalate and octyl-decyl-phthalate, also listed at 30½ cents per pound, are unofficially priced at 29 cents and 28½ cents respectively. Although sales of these plasticizers are at a seasonally good level, the pace is not impressive when measured against supplies or when the price discount is taken into consideration. According to some observers, the imbalance prevailing in the present market is a result of the fact that many new producers have been offering the material in the last few years, causing supplies to lengthen and stiffening price competition. If automobile production reaches the level anticipated for the fourth quarter, renewed buying interest from the source might take up the slack in supplies, producers said.

Competition in other plasticizers and in some synthetic resins, though fairly vigorous, has not effected prices. The price for alkyds, previously reported shaky, was firmer last week because of stronger demand in the paint field.

The market for natural resins was reported unchanged from the previous week, with prices steady to firm against a moderate rate of demand. Consumers continued to emphasize short term requirements rather than futures. Quotations of orange shellac were unchanged at 50 cents to 51 cents per pound for lemon No. 1, 48 cents to 50 cents per pound for lemon No. 2 and 46 cents to 47 cents per pound for superfine.

Sellers of Argentine casein continued to hold material closely in expectation that the fluid and uncertain currency exchange setup would develop in their favor. This attitude has been encouraged, dealers said, by the lack of European material in the present market, giving Argentine sellers virtual monopoly. The only other significant sources of casein, dealers said, are New Zealand and Australia, but these materials are high grade products selling 2 cents to 4 cents higher than the Argentine rate.

Price Trends

Advanced
None
Reduced
None
Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	Aug. 26, 1955
100.13	100.13	100.14	97.17

For Current Prices see Page 9

Prime Pigments

Aluminum Paste, Powder—A recent 1c. advance in the price of aluminum has not been reflected yet in these materials. Producers said last week that a corresponding advance was being considered, but that a decision had not been reached. The advance in aluminum was posted to offset increased labor costs following the recent strike. The strike had no appreciable effect on supplies of paste and powder, since inventories were substantial before the strike began. Last week's sales were seasonally moderate.

Antimony Oxide—With nearly all paint plants back in operation, demand for this pigment was on the upturn last week. Supplies were plentiful and long-standing prices were firmly maintained.

Carbon Black—The vacation period in major consuming industries, notably paint and rubber, is nearly at an end, and as a result the sales pace has quickened. The price was reported steady to firm, and supplies remained in good balance with buying interest.

Chrome Colors—Business is well ahead of the 1954 level but, because of the cutback in automobile production, is running behind the 1955 rate. These materials are expected to reap some benefit from an expansion in automobile production scheduled for the fourth quarter. Sales to paint makers were reported to have picked up last week, reflecting reopening of many plants following vacation shutdowns.

Iron Blues—Prices on some varieties of this pigment were advanced recently to compensate for increases in the cost of material. Sales were said to be recovering from the summer slump, with further improvement expected in the fourth quarter.

Lead Pigments—A spurt of buying interest by paint makers accounted for a more vigorous market last week. Because of a stable lead market, the pigments showed a steady tone. Supplies were sufficient for all consumer requirements.

Nickel Oxides—Stockpiling of nickel by the government has kept supplies of the oxides in a tight position. There is no indication that the government intends to change its policy in regard to the metal. Consequently no letup in the shortage is foreseen in the near future.

Titanium Dioxide—Although supplies were adequate for last week's market, observers said that a jump in demand in the months ahead might lead to renewed tightness. But there is little probability, it was said, that the position could become as acute as it was during the first half of the year, since production facilities have been considerably expanded.

Zinc Pigments—The return of paint makers to the market has livened up buying interest. Observers said that for this material the summer slump was nearly over. Quotations were firmly maintained, mirroring a steady tone in zinc metal. Supplies were ample.

Synthetic Resins

Alkyds — Despite keen competition, prices have been firmly maintained. Producers noted renewed buying interest from industrial and paint trade sources, with greater improvement expected in the fourth quarter.

Epoxys—This market has been slowly expanding particularly in the coatings field, producers reported. The summer doldrums, acute in related materials, was less marked in this resin. The price was reported steady although the recent advent of a fourth producer in the field was expected in some quarters to intensify competition.

Melamines—The summer lull was aggravated by the decline in automobile production and in manufacture of heavy household appliances. Producers are optimistic about the fourth quarter, though, as all signs point to renewed vigor in these fields. Automobiles particularly are expected to show a fourth quarter boom now that dealers' stocks have been reduced to normal levels.

Petroleum Hydrocarbons — Listings were unchanged at the beginning of the third quarter and have held steady since. Demand was well sustained during the summer, producers reported, although seasonal declines in some outlets were registered.

Polyvinyl Acetate—Use of this material as a paint latex has continued to expand, observers noted. Sales were hurt during the summer by wet weather in some areas, but held up reasonably well where weather conditions were favorable to outside painting. The effect of vacation shutdowns in the paint industry was not acute, producers said.

Lacquer Materials

Dioctyl Adipate—A moderate volume of sales was registered by the major producers of this plasticizer. A good balance of sales and supplies helped keep the price steady. The last price change posted was a 2½c. decline reported a couple of months ago.

Dioctyl Phthalate—Supplies were still loose, with actual selling prices running

Coatings Materials

2½c. lower than the official listing. While this situation has been in effect for several weeks now, no substantial improvement in the market tone has been noted. Although buying is at a seasonally good level, it is not impressive when measured against supplies or when the price discount is taken into consideration. In the opinion of some observers, the imbalance prevailing in the market stems from the fact that many new producers have been offering the material in the last few years, causing supplies to lengthen and sharpening price competition. Last week's actual price was 28c. per pound, as compared with an official listing of 30½c. per pound.

Di-Iso-Decyl Phthalate—This material is still selling at 29c. per pound, as against an official listing of 30½c. per pound, for the same reasons reported above. According to market observers, the reduced price will probably remain in effect until renewed buying interest takes up the slack in supplies. It is also possible, these observer say, that prices will be changed at the beginning of the fourth quarter, if competition continues at the present pitch.

Petroleum Hydrocarbon Plasticizers—Sales to wire manufacturing outlets have picked up since the price decline in copper metal. Other outlets, such as garden hose and shoe manufacturers, were seasonally quiet. The price is steady and unchanged.

Octyl-Decyl-Phthalate — This plasticizer is in the same position as the phthalates mentioned above. The unofficial price is 28½c. per pound, while the regular listing remains 30½c. per pound.

Miscellaneous

Casein—The price of Argentine material held firmly at 23¾c. to 24c. per pound. Sellers continued to hold material closely in view of the fluid and uncertain currency exchange setup. The lack of European material this season is a factor encouraging Argentina sellers to hold out for optimum exchange rates, dealers noted. Seasonal factors are stimulating some improvement in demand, but buying interest is generally moderate. The only casein available in sizeable amounts from non-Argentine sources is premium material from New Zealand and Australia. Quotation on the latter is 26½c. per pound, duty paid.

Naval Stores

Production of gum naval stores in July was reported at 18,550 barrels of turpentine and 52,170 drums of rosin by the crop reporting board of the Department of Agriculture. Production of gum processed during the first four months of the crop year was about ten percent less than to date last season. No crude sulfate turpentine was burned during July. Steam distilled rosin production was 108,090 drums,

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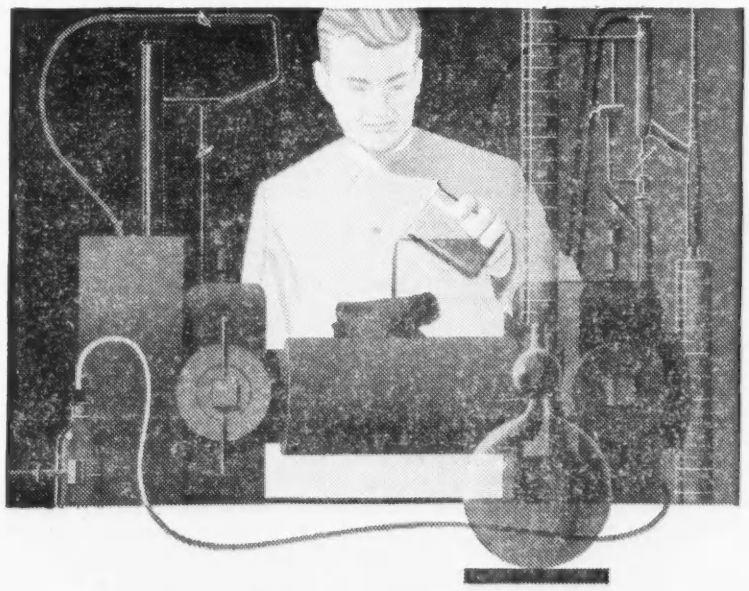
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Coatings Materials

approximately equal to output in June, bringing the seasonal total to 452,500 drums—four percent higher than the previous year. Gum turpentine stocks on July 31, 1956, were 52,500 barrels, failing to show the customary seasonal rise over June stocks, while steam distilled rosin inventories declined nearly 8,000 barrels during the month. Gum and steam distilled rosin stocks were slightly higher than during the previous month.

Rosin, Gum

(USDA, per 100 lbs.)

	Fri. Aug. 17	Mon. Aug. 20	Tues. Aug. 21	Wed. Aug. 22	Thur. Aug. 23
Drums—					
M	$8.00	$8.00	$8.05	...	...
N	8.21	...	8.06§	$8.15	$8.19
WG	...	...	8.19§	8.07	...
WW	8.26§	8.25	8.32§	8.31§	8.32
Bags—					
I	...	...	7.93	...	7.99§
K	...	8.00	...	...	7.93
M	...	...	7.93	...	...
N	...	...	7.97§	...	...
WG	7.98	...	7.98	...	8.10
WW	...	...	8.12§	...	8.25

Tankcars (for week ended Aug. 17)—
N and M, $7.57; K or better, $7.68.

Sales, USDA
2,546* 1,041* 1,416* 597* 1,328*

New York
(per 100 lbs., c.l., Friday)
B through N, $9.40; WG, $9.55; WW, $9.63.

Turpentine, Gum

(USDA, per gal., 7.2 lbs.)

Price	.54	.545	.5425	.54§	.541§
Sales	4,000¶	8,000¶	4,000¶	14,000¶	36,000¶

New York, Friday, per gal., 7 lbs., tankcars, 63½c., l.c.l., 75c.

* Drums equivalent. ¶ Gallons. § Average price.

Data Offered

A new forty-eight page **nitrogen solutions handbook for the fertilizer and chemical industries** has been published by Nitrogen Division, Allied Chemical & Dye Corporation, New York. The booklet describes the chemical and physical properties of solutions and how to store, handle and use them in fertilizer manufacturing. It also presents new information on granulation and formulation of fertilizers. Copies are obtainable on request by writing to public relations department, Nitrogen Division, Allied Chemical & Dye Corp., 40 Rector st., New York 6, N. Y.

Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., has published a new catalog of **Sharples brand synthetic organic chemicals.** Listed in the twelve-page brochure are seventy-seven commercially available products with formulas, product descriptions and suggested uses. Copies of the publication are available on request from Pennsalt Chemicals, Department S, 3 Penn Center Plaza, Philadelphia 2, Pa.

Chemical products division of Archer-Daniels-Midland Company, 2191 West 110th street, Cleveland, Ohio, has published a new four-page technical bulletin, **#908-A, showing specifications** and typical uses of hydrofol fatty acids, glycerides, sperm oils and fatty alcohols.

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Color, APHA.....10 Maximum
(10 gm. in 100 ml. methanol)
Turbidity, ppm SiO₂—APHA standard....30 Maximum
(50 gm. in 200 ml. water)
ph (10% aqueous solution at 20° C.).....7.0 to 9.8

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Textile, Leather Chemicals

Consumer interest in textile and leather chemicals was more active for autumn delivery last week, but actual sales were chiefly for actual requirements. The price structure remained unchanged at steady. In the chemical group, prices were well held at former levels. Deliveries against contracts continued to move in good volume, with new business slightly better. Firm tone prevailed in tapioca flour for shipment from Brazil, with offerings still light and replacements maintained at recent advances. Siamese flour was offered quite freely for prompt and forward shipment. Trading was spotty and increased offers tended to soften this market. Moderate consuming demand was noted for corn starch and dextrin for prompt needs. Trading in potato starch was restricted to spot delivery. Market was steady reflecting limited available stocks at primary sources. Production in Maine was nil. Consumers showed little interest in replacements preferring to await the reopening of mills in October and November.

Price Trends

Advanced
None

Reduced
None

Comparative Price Indexes
(100—1949 average)

Last week	Prev. week	Last month	Aug. 26, 1955
107.41	107.41	107.45	105.39

For Current Prices see Page 9

Tanning materials were quiet and unchanged. Trading was still restricted to occasional lots for nearby shipment. Primary markets were unchanged and steady.

Cattle hide and kip side leathers production was smaller in June and indicated at 2,076,000 hides and kips by Tanners Council, compared with 2,364,000 in May. Calf and whole kip skins also were smaller totaling 644,000 against 701,000 in May; goat and kid skins, 2,061,000 against 2,544,000 and sheep and lamb skins, 2,100,000 against 2,360,000.

Footwear production in July 1956 of 42.6 million pairs was 4 percent above production in July of last year, and 4 percent lower than the 44.4 million pairs produced in June 1956, according to the Department of Commerce. Shipments of footwear in July of 46.7 million pairs were valued at $177.7 million.

Mens dress shoe production in July of 5.5 million pairs increased 2 percent above July last year, and was 8 percent lower than the 6.0 million pairs made in June, 1956.

Output for the first seven months was 3.7 percent greater than in the same period of 1955. The August decline, however, will reduce the year-to-date gain over 1955 to 1.6 percent. The seven months figures show only youths' and boys' shoes in smaller volume than a year ago.

Chemicals

Bichromates — Business was still restricted to prompt needs. Market remained steady at prevailing quotations for all grades.

Sodium Acetate — Consuming demand continued restricted to actual needs. Prices were held at former levels.

Sodium Hydrosulfite—Fair volume of trading was reported for immediate delivery. Prices were unchanged and firm.

Sulfonated Oils — Consumers confined demand to immediate requirements. Prices were maintained at former levels.

Sizing Materials

Albumin Blood—This market was unchanged and steady. Demand continued quite active for prompt requirements. Stocks were adequate. Quotations ranged from 65c. to $1 per pound, as to quantity.

Corn Dextrin — Buying interest was more active, but demand was chiefly for actual needs. All grades were unchanged and steady. Gum was held at $9.28 per 100 pounds, paper bags, carlots, New York delivery; light canary, $9.02; dark canary, $9.12, and white, $8.86, same basis. Smaller lots were 15c. per 100 pounds higher.

Corn Starch — This market remained steady at current quotations. Demand was spotty, and restricted to prompt delivery. Pearl was quoted at $7.27 per 100 pounds, paper bags, carlots, New York, and powder, $7.39, same basis. Less carlots were 15c. per 100 pounds higher.

Egg Albumin—Consuming demand improved as a result of the recent sharp decline in prices. Flake was fairly active at $1.85 to $1.87 per pound and powder, $1.89 to $1.91, spot, depending upon quantity. Supplies of technical were still low and firmly held at $1.08 to $1.10 per pound, same basis.

Egg Yolk—Trading was confined to actual needs. Prices were unchanged at $1.03 to $1.07 per pound, spot according to quantity, with large quantities reported sold below this level.

Potato Starch—While demand was restricted to spot delivery, this market continued steady, reflecting the tightness of supplies at producing centers. Mills in Maine were still shut down and expected to resume operations early in October. Market in Maine was merely nominal at 7¾c. per pound, carlots, f.o.b. mills. Idaho starch remained steady at 6¼c., same basis. Stocks on spot were maintained 8¾c. to 10c. per pound, exwarehouse. Dutch starch was nominal at 7.9c., carlots, exdock, duty paid, for prompt shipment.

Tapioca Flour—Limited offers of Brazilian flour for shipment kept this market strong. Prompt shipment was nominal 8½c. to 8¾c. per pound, carlots, exdock. Trading in Siamese was reported light. Offers for shipment were freer and available for September forward shipment at quotations ranging from 5.2c. to 6.8c. per pound, carlots, exdock, depending upon quality. Brazilian flour on spot was maintained at 9c. to 10½c. per pound, exwarehouse, according to quantity.

Tanning Materials

Canadian leather footwear production in the first 4 months of 1956, totaled 14,880,812 pairs, some 1,885,256 pairs higher than produced in the corresponding period of 1955—12,995,556 pairs. Production of footwear with leather soles increased slightly—from 35.9 percent in April, 1955, to 36.1 percent in April, 1956. In the first 4 months of this year, 5,625,498 pairs of shoes were manufactured with leather soles.

Chestnut Extract—Inquiry for later requirements improved but actual trading was still light. Prices were without change and well held. Solid extract guaranteed 60 percent was quoted at 9⅛c. per pound, carlots, exdock, plus duty, prompt shipment and powdered, 70 percent, 10⅝c., same basis.

Cutch—Consuming inquiry was restricted to nearby shipment. Market remained steady at 8½c. per pound, exdock, plus duty, prompt shipment.

Mangrove Bark—Tone of market was unsettled for African and prompt shipment was quoted at $66 per pound, carlots, exdock. Colombian was nominal at $58 per ton and Ecuadorian, $55, same basis.

Quebracho Extract—Steady tone prevailed in this market. Quotations were without change. Business was restricted to nearby shipments. Solid ordinary, guaranteed 63 percent tannin was quoted at 11 21/32c. per pound, exdock, plus duty and clarified 64 percent at 12 23/64c., same basis.

Valonia — Buying interest continued confined to prompt shipment. Offers were held at former levels. Extract was quoted at 9¼c. per pound, carlots, exdock, plus duty. Cups were held at $57 per ton, exdock, and beards, $81 per ton, exdock, prompt shipment.

Wattle—Trading was light and limited to nearby shipment. All grades were maintained at unchanged quotations. Fair average bark quoted at $95 to $96 per ton, exdock, prompt shipment and merchantable at $91 to $92. Extract was unchanged and firm. East African was held at 9⅞c. per pound, and South African 10c. per pound, carlots, exdock, prompt shipment, plus duty.

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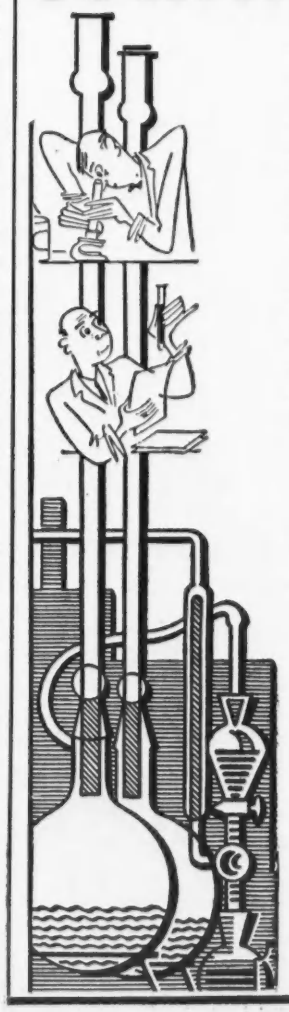

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Oils, Fats and Waxes

Trend of edible oils continued downward last week paced by soybean oil and fractional declines also took place in corn, cottonseed and peanut. Trading lacked volume and was confined to nearby requirements. Crude coconut oil turned easier and dropped fractionally. Copra also was lower. Buying interest in tallow and greases kept this market steady and offerings limited. Trading was reported moderate both for domestic and export account. Light stocks of oleo oil stiffened the market and prices were up fractionally. Oleo stearine was inactive and easier.

Linseed oil became steadier following liberal trading at a decline of ½ cent per pound for delivery during the balance of the year. Prices rallied and closed slightly lower. Demand for other drying oils was spotty, chiefly for prompt needs. Tung and oiticica oils moved in fair volume for immediate delivery. Brazilian castor was firm with sales at the recent advance. Rapeseed oil continued scarce and nominal. Stocks of crude menhaden oil were reported light and closely held. Export interest was reported fairly active with buyers and sellers about ¼ cent apart.

In vegetable waxes, the firmness of crude beeswax featured this market. Offers of crude from primary sources were practically nil and higher. Refined grades also became stronger and advanced 1 cent to 2 cents per pound. Demand for carnauba on spot was limited and prices were reduced 2 cents for fatty and yellow in some quarters.

Price Trends

Advanced
Linseed meal, $1 per ton.
Oil, oleo, ½c. per lb.
Wax, bees, crude, 1c. per lb.
refd., 1c. to 2c. per lb.

Reduced
Acid, linseed, 3-10c. per lb.
Copra, $2.50 per ton.
Lard, 1c. per lb.
Oil, coconut, crude, 3/8c. per lb.
Corn, crude, 3/8c. per lb.
refd., 3/8c. per lb.
Cottonseed, crude, 3/4c. per lb.
refd., 3/8c. per lb.
Linseed, 3-10c. per lb.
Peanut, crude, 3/4c. per lb.
refd., 3/4c. per lb.
Soybean, crude, 3/8c. per lb.
refd., 3/8c. per lb.
Soybean meal, $2 per ton.
Wax, carn., crude, Ceara, 1c. per lb.
Parnahyba, 1c. per lb.
yellow, 2c. per lb.

Comparative Price Indexes
(100 = 1949 average)

Last week	Prev. week	Last month	Aug. 26, 1955
117.44	117.13	117.79	104.01

For Current Prices see Page 9

Vegetable Oils

Castor—This market was unchanged and steady. Domestic grades demand was confined to actual needs. Brazilian No. 1 was sold at 18¼c. per pound, tankcars, New York, prompt delivery.

Coconut—Crude was weak and fractionally lower. Prices declined to 10⅝c. per pound, tankcars, f.o.b. Pacific coast, prompt and to 11¾c., New York, basis. Trading was moderate at the decline.

Corn—Market was easier and off 3/8c. Crude was sold at 12⅛c. per pound, tankcars, f.o.b. mills, prompt. Refined oil was lower at 15.73c. per pound, tankcars, New York basis.

Cottonseed—Futures continued unsettled and dropped sharply due to liberal liquidation. New lows were reached in July and September, 1957 deliveries. Trading was active, chiefly professional. Commission houses sold September and bought futures, while trade interests did the reverse. Moderate trading was noted in cash oil on a scale downward. Export business was slow. Demand for refined oil was quiet. Refined salad was lower with crude and dropped to 15⅜c. per pound, tankcars, New York, prompt delivery.

Crude was weak and sharply lower. Trading was light. Tankcars were quoted at 11⅝c. per pound, f.o.b. mills Valley and Texas and 11¾c. nominal in the southeast.

The Department of Agriculture has announced a change in the delivery from October 31 to August 31, 1956, in purchase authorization No. 14-02 issued to Argentina for the purchase of $25,300,000 worth of cottonseed oil, soybean oil or lard from United States suppliers. Purchases under this authorization have been completed.

Cottonseed crushed during July totaled 118,511 tons according to the Census Bureau compared with 151,035 tons in June and 165,338 tons in July, 1955. Crushings during August, 1955, through July, 1956, were 5,587,795 tons against 5,248,430 tons a year ago.

Cottonseed Crush: July

Cottonseed received and crushed and production of cottonseed products during July and June, as compiled by Bureau of Census, follows:—

Cottonseed

	July	June
	Tons	
Receipts	141,695	19,993
Crushed	118,511	151,035
Stocks	177,469	154,013

Crude Oil

	Pounds	
Produced	43,472,000	54,412
Stocks	15,195,000	14,949,000

Refined Oil

Refined oil totals will be issued shortly.

Cake and Meal

	Tons	
Produced	62,286	74,363
Stocks	164,187	214,303

Hulls

	Tons	
Produced	28,643	33,710
Stocks	77,164	105,461

Cottonseed Oil Futures

Sales and prices of prime summer yellow cottonseed oil futures in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended Friday, August 24, follow:—

	Sales	High	Low	Close
		Cents per pound		
Sept.	410	14.57	13.78	13.88@13.91
Oct.	316	14.57	13.93	14.03S
Dec.	431	14.45	13.94	13.98@14.02
Mar.	179	14.49	13.98	14.02S
May	125	14.49	14.00	14.03S
July	135	14.44	14.00	14.01S
Sept. (1957)	14	14.37	13.96	13.90@13.94

Total sales, 1,660 contracts.

Linseed—Market rallied following active trading at 12½c. per pound, tankcars, Minneapolis, September-June delivery and was advanced to 12.7c., same basis reducing net loss to 3 points. Withdrawals against current contracts continued to move in good volume.

Flaxseed—Market easier, and declined 5c. per bushel.

Minneapolis.—Crushers reduced bids on cash flaxseed 5c. a bushel as harvest got under way in Minnesota and South Dakota flax fields. Liberal to-arrive offerings indicated a willingness on the part of producers to sell at current levels. Bids were reduced to $3.28 a bushel, spot and to-arrive, basis Minneapolis. Harvesting in northern areas of the flax belt is expected to start as farmers finish with small grains, peak movement not expected until mid-September. Only 1 car was offered in the spot market, but to-arrive bookings soared to 616 cars and 47,000 bushels in trucklots. September futures declined 5c. at Minneapolis, while deferred options were 2c. lower. Winnipeg market dropping as much as 12c. Arrivals of flaxseed for all accounts totaled 158 cars, against 660 cars a year ago.

Receipts and shipments of flaxseed, in bushels, were as follows:

	Receipts		Shipments
	1955-56	1954-55	1955-56
Past week	284,400	1,627,500	127,800
Since Sept. 1	25,340,000	30,510,500	6,173,600

Oiticica—Light trading was reported at 14¾c. per pound, tankcars, New York, prompt delivery. Drums were ranged from 16¼c. to 16¾c. per pound, spot as to quantity.

Olive—Trading was inactive but prices were maintained at former levels. Spanish was quoted at $3.45 to $3.60 per gallon, drums, spot, duty paid, depending upon quality and quantity. Argentine oil was unchanged at $3.25 to $3.30 per gallon, drums, same basis.

Palm—Demand was quiet. Clarified was quoted at 15½c. to 16½c. per pound, drums, spot as to quantity, and 12⅜c., tankcars, prompt delivery.

Peanut—Crude was easier with competing oils and declined sharply. Light trading was reported at 13c. per pound, tank-

Oils, Fats and Waxes

cars, f.o.b. mills, prompt. Refined oil was lower at 16¾c. per pound, tankcars, New York, prompt delivery.

Soybean—Market was weak and sharply lower. Trading was limited on a scale downward. Crude sold down to 11⅛c. per pound, tankcars, Decatur, August and September, and October-December was offered at the same figure. Refined salad oil dropped to 13.97c. per pound, tankcars, New York basis.

Soybeans crushed during July totaled 20,378,000 bushels compared with 22,230,000 bushels in June and 21,347,000 bushels in July, 1955, according to the Census Bureau. Crushings, October through July, totaled 241,453,000 bushels, compared with 210,398,000 bushels during the same period of the 1954-55 season.

Soybean Oil Futures

Sales and prices of crude soybean oil futures (new contract) in tankcars (60,000 pounds) on the New York Produce Exchange for the week ended Friday, August 24, follow:—

	Sales	High	Low	Close
		—— Cents per pound ——		
Oct.	4	11.32	11.32	11.12@11.20
Dec.	3	11.33	10.95	10.99S
Mar.	11	11.25	11.18	10.99B

Total sales, 18 contracts.

Tung—Steady tone prevailed with moderate trading reported at 23¾c. per pound, tankcars, New York, prompt delivery. Drums were held at 25¼c. to 25¾c. per pound, spot as to quantity.

Miscellaneous

Castor Beans—Shipments were reported steady around $155 per ton, f.o.b. Brazilian port.

Imports of castor bean and castor oil at New York and Philadelphia last week were as follows:—

	Pounds	
	Beans	Oil
Last week	1,507,500	
Previous week	766,650	1,036,000
Corresponding week, 1955	893,650	
Total this year	32,742,250	53,719,000
Corresponding period, 1955	57,631,265	54,810,000

Copra—This market was unsettled and declined $2.50 to $150 per ton, c.i.f. Pacific coast.

Fats and Greases

Greases—This market remained on a steady basis, despite limited trading. Buying interest was fairly active. Choice white ranged from 7⅜c. to 7⅝c. per pound, tankcars, delivered, according to seller. Yellow grease was sold at 6⅜c. and 6½c. asked, same basis.

Lard—Prices were easier and fractionally lower reflecting the weakness of vegetable oils. Cash lard declined to 11⅛c. per pound, drums, Chicago.

Oleo Oil—Stocks were scarce and market firmer. Extra ranged from 18½c. to 18¾c. per pound, drums, as to seller. Oleo stearine was quiet and easy at 11c. to 11½c. per pound, same basis.

Tallow—Active buying interest kept the market firm. Offerings were light and generally held ⅛c. above sales. Bleachable fancy was sold up to 7⅜c. per pound tankcars, delivered and at 7¼c. to soapers. Extra was quoted at 7⅛c.; special, 6¾c. and No. 1, 6½c., same basis. Guaranteed fancy was held at 8⅝c. to 8¾c., drums, f.a.s. against bids of ⅛c. less.

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Tallow Futures

Sales and prices of bleachable tallow futures in tankcars (60,000 pounds) on the New York Produce Exchange for the week ended Friday, August 24, follow:—

	Sales	High	Low	Close
		—— Cents per pound ——		
Oct.	4	7.30	7.16	7.15@7.25
Dec.	2	7.25	7.21	7.20@7.30
Mar.	1	7.29	7.29	7.35@7.40
May	2	7.40	7.35	7.35@7.40

Total sales, 9 contracts.

Fish Oils

Menhaden Crude—Trading continued inactive, but the market remained on a firm basis. Offers were light and held around 8¾c. per pound, tankcars, works, with bids ¼c. less. Export interest was reported quite active. Fishing was reported fair. Demand for refined grades was confined to actual needs. Light pressed was available at 12c. per pound, tankcars, New York and shadable.

Production of crude menhaden in June was indicated at 4,157,660 gallons, bringing the total for six months ending June to 6,730,710 gallons, compared with 6,547,070 gallons during the same period last year. Output of herring oil in Alaska totaled 1,994 tons for the first six months of 1956 against 1,203 tons for the corresponding period in 1955.

Cake and Meal

Linseed Meal—Good demand and tightness of nearby delivery raised market $1 per ton.

Minneapolois.—Good demand for nearby shipment prevailed in linseed meal market, but supply situation was critical due to delay in flax harvest. Most crushers were unable to promise prompt shipment. Prices for August and first week in September were $1 higher, while deferred deliveries were up 50c. Export inquiry was on the increase, but little was accomplished. Shipping directions were good. Extracted linseed meal, 36 percent protein, was quoted at $55 for August and first week September; $54 to $54.50 balance of September forward. Old process expeller meal, 32 percent protein, was $63.50 for September, $62.50 for October and $61.50 for November/March.

Shipments of linseed meal, in pounds, were as follows:

	1955-56	1954-55
Past week	8,280,000	12,000,000
Since Sept. 1	712,390,000	650,040,000

Waxes

Beeswax — Crude grades continued strong and higher. Stocks on spot were reported nil and offers of replacements continued scarce. African crude was higher ranging from 68c. to 69c. per pound, ex-dock, October forward delivery. Refined grades and lifted 1c. to 2c. per pound reflecting the higher cost of crudes.

Carnauba — Consumers continued to limit purchases to actual needs. Prices of spot stocks were unsettled and cut 1c. to 2c. per pound in some quarters, while replacements from Brazil continued firm and unchanged. No. 3 Ceara, crude was quoted at 71c. to 72c. per pound and Parnahyba, 1c. more, spot as to quantity and seller. No. 1 yellow ceara also was reduced to $1.42 to $1.44 and Parnahyba, $1.44 to $1.46 per pound, spot depending upon seller and quantity.

Soybean Crush: July

Soybeans received and crushed and production of soybean oil and meal during July and June, as compiled by the Bureau of Census, follows:—

Soybeans

	July	June
	Tons	
Receipts	305,618	313,696
Crushed	611,338	666,902
Stocks	793,805	1,099,525

Refinel Oil

Refined oil totals will be issued shortly.

Crude Oil

	Pounds	
Produced	228,348,000	248,636,000
Stocks	98,575,000	93,288,000

Cake and Meal

	Tons	
Produced	475,294	517,242
Stocks	182,658	217,946

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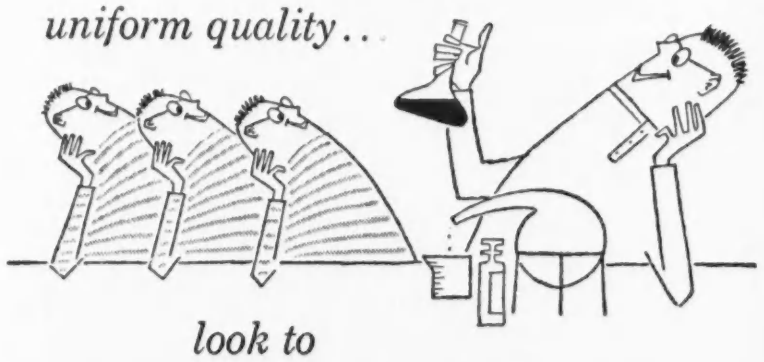

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West German Chemical Trade Scored Gains

—*Continued from page 5*

lion metric tons, an increase of 16 percent over output in 1954, and provided considerably larger supplies of coal tar derivatives for the chemical industry. However, demand was high throughout the year, and not only was the increased output easily absorbed, but there were difficulties on the supply side in some branches.

For example, although production of coal tar pitch rose 14.4 percent to 908,212 tons, the heavy call from domestic industry could be met only by reducing exports from 146,950 tons in 1954 to 83,144 tons in 1955, and by increasing imports more than 200 percent. Similarly, in the case of naphthalene, which was especially in demand for making intermediates, exports had to be cut even though output was up 10.6 percent.

Supplies of phenol were hard pressed by increased demand from the plastics industry, Phenol-Chemie GmbH., Gladbach, which is producing 8,000 tons of phenol and 5,000 tons of acetone annually, will increase its output to 15,000 tons and 10,000 tons, respectively, in 1956.

Since crude benzene production was up 16.4 percent to 510,776 tons in 1955, following a slight decline in 1954, benzene distillation products were able to recover lost ground.

Output of the latter increased 17.2 percent to 476,942 tons, and as a result, imports of these materials were reduced from 133,000 tons in 1954 to 84,000 tons in 1955. Further price reductions of United States petroleum-produced benzene had a somewhat depressing effect on the German market.

The continued shortage of cokery by-products, despite record coke production, has given additional impetus to a trend apparent in recent years toward the greater utilization of derivatives from petroleum and natural gas. Crude oil consumption by hydrogenation plants in 1955, according to industry sources, increased 24.8 percent to 2.77 million tons, or 27.2 percent (25 percent in 1954) of the total crude oil consumed by West German refineries.

Natural gas production has almost tripled, rising to 239.6 million cubic meters in 1955 from 87.6 million in 1954. Increased consumption by such plants as BASF (for synthetic ammonia), Hoechst (halogenated methane), and Chemische Werke Huels may be assumed.

German chemical producers continue to show increasing interest in petrochemistry. As refining capacity increases, a slow but steady structural change in the chemical industry is anticipated.

For example, Bayer announced its entry into the field with an experimental cracking plant at Leverkusen which processes 600 tons of crude oil per month. In the latter part of 1955, a gas-separation plant was added to produce several hundred tons of pure olefines monthly.

Rheinische Olefinwerke BmbH. at Wesseling, a joint venture of BASF and Deutsche Shell AG., began production of high-pressure polyethylene late in the summer. BP Bezin- und Petroleum BmbH., Hamburg, is building a separation plant to produce propane and butane from the liquid gases obtained during the processing of the crude oil. Increases in refining capacity are expected to add, in the next 2 or 3 years, about 10 million tons to the current figure of 15 million.

In the pharmaceutical field, the Hoechst-owned Behring Werke AG., developed a polio vaccine, but it will not be released until tests by the Federal Health Office have been completed.

New productive facilities include a new DM 100 million titanium dioxide plant, to be constructed by Bayer at Gerdingen, which is expected to cover German demand when completed in 1957. Kali Chemie AG., Hannover, is constructing, under license from a United States firm, a plant to produce reforming catalysts which will make it possible to obtain higher anti-knock octane ratings in gasoline.

Of interest in the nuclear field was the announcement of an improved process for separating uranium isotopes. Bayer opened a modern isotope laboratory in Wuppertal-Elberfeld. Hoechst has announced plans to construct a DM 10 million plant to produce heavy water; construction is expected to take at least 18 months and capacity will be 6 tons per year.

Prospects for the German chemical industry in 1956 are generally favorable, according to BOSA. The continued high level of the economy as a whole will be reflected in greater demand for the industry's products. Although the rate of growth of the chemical industry in 1955 did not match that for all industry, informed sources in the trade are cautiously optimistic about prospects for reversing this trend in 1956.

Price increases probably cannot be avoided, as industry spokesmen state that they cannot continue to absorb increased raw material (coal) and labor costs. However, continued strong competition will have a moderating influence.

Investment in the industry is expected to be at a rate at least equal to the more than DM 1 billion spent in 1955. Large expenditures will be made on new capacity, but major emphasis will shift toward the rationalization of existing installations to increase productivity. The decision of Bayer, BASF, and Hoechst to increase capitalization in 1955 evinced an easing of the tight capital market. Producers continue to demand from the government greater investment tax incentives.

Chemical foreign trade is expected to increase in 1956. Although imports will probably continue to grow at a considerably faster rate than exports, Germany's position as a large net exporter of chemicals will not change substantially. The industry is especially critical of the termination of export tax concessions in late 1955, an action which it is maintained has weakened Germany's competitive position in overseas markets, particularly in relation to the United States.

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1—Devine Rotary Vacuum Dryer, 5' x 25'.

2—Buflovak Double Drum Dryers, 24" x 36".

1—Buflovak Double Drum Dryer, 42" x 120".

1—Bartlett & Snow Rotary Dryer, 4'6" x 36'6".

1—Link Belt Roto Louvre Dryer, Model 502-20.

2—Ross Steel Heat Exchangers, 800 and 900 sq. ft.

2—Bird Continuous Centrifugal Steel Filters, 24" x 38".

12—Struthers Wells Stainless Steel Heat Exchangers, 650 sq. ft. each.

10—Struthers Wells Steel Heat Exchangers, 150 sq. ft. each.

2—Alco Brass Heat Exchangers, 1500 sq. ft. each.

1—Swenson Walker Crystallizer, 20' long.

1—Devine Single Door Vacuum Shelf Dryer, 20 shelves.

1—Stainless Steel Bubble Cap Column, 4' x 35'.

1—Pfaudler Glass-Lined Jacketed Reactor, 10 gallons.

1—Pfaudler Glass-Lined Jacketed Reactor, 200 gallons.

10—Pfaudler Glass-Lined Storage Tanks, 30, 50, 100 and 500 gallons.

3—Komarek Greaves Briquetting Machines.

R. GELB & SONS, INC.
UNION, NEW JERSEY Est. 1886 MUrdock 6-4900

PARTIAL LISTINGS

1—Sparkler Model 33D17 Filter, Type 316 S.S.

2—#12 Sweetland Filters, 36 monel leaves on 4" centers.

2—Devine #28 Dbl. Dr. Vacuum Shelf Dryers.

1—Day 14" x 30" Type B—H.S. Roller Mill.

5—Day & Ross 15 to 50 gal. Pony Mixers.

2—Day Gearless Pony Mixers, 50 & 80 gals.

2—Fletcher 48" S.S. Extractors.

1—Hardinge 3' x 8' Ball Mill.

4—Stokes Model "R" Tablet Machines, variable drive w/3 H.P. motor.

2—Patterson 4 x 5 & 5' x 6' Pebble Mills.

1—W & P Mixer 100 gal. Jacketed, Double Arm w/30 H.P. X.P. motor.

1—Day Stainless Steel Double Arm, Sigma Blade Mixer, 350 gals.

4—Surface Condensers-Receivers, 50 to 150 sq. ft.

3—Rotex Sifters, 20 x 48 to 40 x 84", single and double deck.

1—American Horizontal Autoclave, 4' x 4'—6" x 8' deep.

1—Buflovak Vac. Impregnator, 24" x 36".

1—Blaw-Knox 110 gal. Jack. & Ag. Autoclave, 2000 psi.

1—Keeler 350 H.P. type CP Boiler.

1—Buflovak 6 dia. Vac-Crystallizer.

1—Inconel Heat Exch., 195 sq. ft.

1—Allbright Nell 4' x 9' Double Drum Dryer.

6—Shriver Filter Press Skeletons, 30"—Gear Closure.

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Harry Pearlman, Pres. Bill Welf, Vice-Pres.

EQUIPONOMICS

BIRD CONTINUOUS CENTRIFUGE
18" x 28" S.S. 317

CENTRIFUGE, Suspended 26" all S.S. 15 hp. 4 Speed Motor, Complete Tolhurst
FARRELL Lab Mill 2 Roll 6"x12" XP Motor.
FILTER, Sweetland #2, All S.S. Top Drainage
FILTER, Niagara 35-20, Vert. S.S. Leaves
FLAKER, *New* Buflovak 6" Dx8" Face Comp.
MILL, Hardinge Conical, Ball 4½' x 16", Complete With Accessories, 20 hp.

MIXERS-(2) J. H. DAY Heavy Duty 12 Gal.
D.A. SIGMA, Jack. Geared Both Sides

TANKS, Aluminum (6) 6' x 12' (3) 9' x 17 Hor. & Vert.

PROCESS PLANTS SERVICE, INC.
75 Cottage Place, Westfield, N. J.
Tel. WE 2-8841

NEW AND GOOD-AS-NEW EQUIPMENT

1—Stainless Tank #430 Chrome, vert. 7'x10' deep.
20—Jacketed Kettles—Stainless, Copper, Aluminum.
1—Day Mixer, steam jacketed, 50 gal. Sigma Blade.
1—Copper Evaporator, steam jacketed, 9'1"x3'9".
60—New Pressure Cookers, 18"x18" & 24"x28".
150—Pumps—steam and electric.
1—New Glass Nash Centrifugal Pump, 160 gpm.
1—New Nash Vacuum Pump Type AL-572.
1—Buflovak Jacketed Impregnating Tank 42"x52".
1—Stedman Disintegrator size 40-6.
1—Abbe Ball Mill, 36"x42" Buhrstone lined.
#316 Stainless Steel Tanks, new 100, 200 & 360 gal.
1—Nash Air Compressor, Type AL-623.
1—Manton Gaulin Stainless Homogenizer, 125 gph.
1—I&R Vacuum Pump, 5 H.P., 60'.
4—Heat Exchangers, 12" dia. 11' lg., 43 steel tubes.
1—Stokes Single Punch Tablet Machine.
1—Raymond 8" Hammer Mill, like new.
Davenport Rotary Steam Tube Dryer, 6'x36'.
1—New Louisville Continuous Filtering Machine.
2—Stainless Steel Steam Jacketed Readco Mixers.
1—#316 Stainless Reactor, 265 gals. cap., jacketed.
Abbe Pebble & Tube Mill, 5'x22'—Buhrstone Lined.
1—Patterson Ball Mill, porcelain lined, 17"x27".
1—Patterson Ball Mill, 42x36, jacketed.
2—Large Steam Jacketed Horizontal Mixers.
Robinson Pulverizer #20, with 2 motors 10 HP each.
2—Ribbon Type Mixers, 50 & 90 cu. ft.—like new.
4—Steel Tanks 90,000 gals. ea. vert. welded const.
4—Horizontal Retorts 200# w.p., A.S.M.E., from 12" to 24" dia., 4' to 12' long.
2—Crystallizers—10' long.
3—3,000 gal. Jacketed Kettles with Turbo Agitators.
1—#10 Day 300 gal. Jacketed Sigma Blade Mixer.
4—New Heat Exc. 60' with Cupro Nickel Tubes.
1—Sparkler Stainless Filter Model 33-S-9.
3—2500 gal. Pfaudler G/L Tanks & S/S Agitators.
6—Blackburn-Smith Jacketed Filters, 20 to 160 gpm.
1—Jeffrey Vibrating Conveyor, 15' long.
1—Meade Mill #2 with 7½ H.P. Motor.

H. LOEB & SON 4643 LANCASTER AVE., PHILADELPHIA 31, PA.

CONDENSERS — All s/s Whitlock 12½"x 60"—C.I. 30"x72" w/bronze tubes.

PEBBLE MILL—Lab—18x18; 24x24, 24x36, 30x24, 36x48, 4'x5', 5'x6', 6'x8'—porc. linings.

MIXERS—13 gal. Stokes—5 cu. ft. Lancaster EBG 3 & EAG 3. Blystone 6R1 w/skip.

HAMMER MILLS — #1SI Mikro, Jeffrey Junior 15x8 (10 Hp), 20x20 (30 HP), Gruendler Model 2 W/feed screws, 24" Mikro-Sawtooth-Robinson #9.

SCREENS—Rotap Test, 2x6 s/s triple Tyler, 3x5 Double Hummer.

BALL MILLS—Hardinge 6'x22", w/New Lining, 7'x48" Pebble—5'x21' tube.

CRUSHERS—JAW — 20x4 Farrel, 14x28 Acme, 36x20 Diamond.

ROTARY DRYERS—12"x22', 3'x20', 39"x21', 44"x25', 5'x40', 6x40.

VACUUM PUMPS—Nash Hytor 1253, H6-H7—IR. 18 & 60 cfm, Leiman 105 cfm.

BUCKET ELEVATORS — 6x8 (51')—6x9½ (50') Enclosed w/motors.

REDUCERS—3 HP Reeves 12-36 rpm, 15 HP P.B. 11/1, 25 HP Jones 25/1, 30 HP Phila. 250/1.

LAWLER COMPANY
LAWLER PLACE METUCHEN, N. J.
LIBERTY 9-0245

MILLS AND GRINDERS

6—Patterson 250 gallon lktd. chrome manganese lined ball mills.
1—Patterson 200 gallon Burrstone lined pebble mill.
1—Abbe 10 gallon porcelain lined pebble mill.
1—Morehouse Speedline Hy-R mill—model B-1402.
6—Cumberland #½ grinders.
10—Jeffrey, Raymond, Stedman hammermills, 5 HP-150 HP.
1—Patterson 8' x 10' Burrstone lined tube mill, 100 HP.
1—Hardinge 8' x 36" conical Burrstone lined pebble mill, 50 HP.
7—Premier, Eppenbach, Charlotte colloid mills, ½-7½ HP, stainless & monel.
3—Schultz 28" Ltd. grinders.
1—Fitzpatrick model K comminuting machine.

DRYERS—IMPREGNATORS—AUTOCLAVES

1—Buflovak 42" x 120" double drum atmospheric.
1—Buflovak 24" x 48" double drum vacuum.
1—Buffalo 32" x 52" double drum atmospheric.
2—Devine 10 shelf vacuum shelf dryers.
1—Buflovak 14 shelf vacuum shelf dryer.
1—Buflovak 17 shelf vacuum shelf dryer, 2 doors.
2—Procter & Schwartz truck dryers, 6' x 6' x 7'.
1—Lydon Bros. incubator dryer, 8 compartment, 20' wide.
4—Strome & Freas tray dryers, 12" x 12" to 2' x 2' x 2'.
1—Devine 3 shelf vacuum dryer.
1—Hersey 3' x 24' all monel rotary dryer.
4—Blaird Challinger 4' x 30' rotary dryers, oil & gas fired.
1—Louisville 6' x 45' steam tabular dryer, stainless lined with aluminum fitted tubes.
1—Jackson & Church 42" x 48" vertical autoclaves.
2—Blaw Knox 250 gallon steel autoclave 600# hydro internal.

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EQUIPMENT OFFERED

For Sale: 94 sq. ft. S.S. T316 Heat Exchanger; 75 gal. S.S. jacketed Double Sigma Blade Mixers; 200 gal. S.S. jacketed agitated Kettles; 120 gal. S.S. jacketed Ribbon Blender-Crystallizer; 40" suspended Tolhurst Centrifuge; 2,800 gal. S.S. Tank; 72" S.S. coil Vacuum Pan. Best Equipment Company, 617 Davis Street, Evanston, Illinois. DAvis 8-0926.

EQUIPMENT WANTED

Double Cone Blender—Patterson type 7½ ft. x 9 ft. OPD. 132.

FACILITIES OFFERED

Chemical Manufacturing, small modern plant near N. Y. C. Up to 200 gal. cap. Glass & S.S. equipment. Crystallizing specialist, 20 yrs. experience pharmaceutical, dye intermediates, etc. Let us quote on your requirements. OPD 130.

Mixing, Grinding, Dispersions, Packaging, Labeling, etc. Complete Service. Your formulas or ours, paste or liquid. Can handle small batch lots economically. Write your requirements. OPD 133.

FOR RENT

Paterson, N. J. One story brick, 26,000 ft. sprinklered high pressure steam, RR siding, underground storage tanks, fenced yard, unrestricted. OPD 119.

For lease: Desirable industrial property located in Bayonne, N. J. Heavy floor loading. Two story building, 11,500 sq. ft. Mezzanine first floor 2016 sq. ft. Adjacent corrugated building 1800 sq. ft. Ample yard space. CRRNJ siding. Principals only. OPD 134.

MATERIALS OFFERED

Methanol, normal Butanol, Isobutanol Isopropanol, Hexyl Alcohol, Amyl Acetate, Hexyl Acetate, Ethyl Cellosolve. Available below market price in limited transport truck quantities on a regular monthly basis. OPD 131.

POSITIONS OFFERED

New Jersey Chemical Manufacturer seeks salesman experienced in selling to paint manufacturers. Splendid opportunity to advance. Write resume of experience, age and salary requirements to OPD 128.

Production Superintendent Pharmaceuticals Manager. Excellent opportunity with long established, fast growing manufacturer of ethical research products. State age, education, experience, salary expected. Application strictly confidential. OPD 126.

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For Sale

Steel storage tanks and complete tank cars, 6,500 to 12,000 gallons capacities, coiled and non-coiled.

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SAVE WITH CONSOLIDATED

1—Unused #12 Sweetland FILTER, 48 bronze monel covered bottom drainage leaves 3" c/c. Latest type; 1—#2, 23 copper leaves 1½" cc.
2—Day 15 gal. Pony Mixers, m.d. S.S. cans.
2—Stainless Steel Hersey Rotary Dryers, 5'x26' and 6'x23'.
2—8'x125' Rotary Kilns.
1—Williams 52" H.S. Roller Mill.
1—Day #30 Imperial jack. Mixer, 75 gal.
9—Sperry 18"x18" Filter Presses, 11 ch.
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Current Market Quotations

—Continued from page 31

White pine bark, rossed, bls. lb. .18 - .19
White precipitate, USP, powd., dms., lb. 6.55 - —
Whiting (see Calcium carbonate).
Wild cherry bark, thin, nat., bls. lb. .18 - .19
rossed, bls lb. .19 - .22
Witch hazel, bark, bls. lb. .16 - .17
leaves, bls lb. .20 - —
Wollastonite, fine, bgs., c.l., works, ton 39.50 - —
l.c.l. ex whse ton 56.00 - —
medium, bgs., c.l., works ton 27.00 - —
l.c.l., ex whse ton 44.00 - —
Woolfat, crude (see Degras).
USP (see Lanolin).
Wormseed, American, bgs. lb. .20 - .25
Levant, bgs. lb. 4.25 - 4.50
45°-47°C., dms., c.l. same basis,

X

Xylene (see Xylol).
Xylenol, cryst., 58°-60°C., m.p., dms., l.c.l., works lb. .40 - —
56°-58°C., dms., l.c.l., works, frt. equald lb. .30 - —
lb. .212 - —
l.c.l., same basis lb. .215 - —
tanks, same basis lb. .199 - —
Fraction, b.r. 7°-9°C., dry above 227°C., dms., c.l., same basis gal. .96 - —
l.c.l., same basis gal. .99 - —
tanks, same basis gal. .85 - —
dry at or below 227°C., dms., c.l., same basis gal. 1.11 - —
l.c.l., same basis gal. 1.14 - —
tanks, same basis gal. 1.00 - —
Xylidines, mixed, o-m-p, dms., c.l. or t.l., works lb. .39 - —
l.c.l. same basis lb. .40 - —
tanks same basis lb. .38 - —
Xylol, coaltar, indust., tanks, works:—
Bethlehem, Pa gal. .34 - —
Birmingham dist gal. .32 - —
Chicago dist gal. .35 - —
Cleveland dist gal. .34½ - —
Geneva, Utah gal. .27 - —
Johnstown, Pa. gal. .33 - —
Lackawanna N. Y. gal. .35 - —
Lone Star, Tex gal. .33 - —
Lorain, Ohio gal. .33 - —
Middletown, Ohio gal. .34 - —
Minnequa, Colo gal. .34 - —
Philadelphia dist gal. .34 - —
Pittsburgh dist gal. .32 - —
Sparrows Point, Md gal. .34 - —
Terre Haute Ind gal. .35 - —
Youngstown, Ohio gal. .32½ - —
Bayonne, N. J. gal. .34 - —
Baytown, Tex. gal. .33 - —
Chicago, Ill. gal. .35 - —
Houston, Tex. gal. .33 - —
Philadelphia, Pa. gal. .34 - —
Providence R. I. gal. .35 - —
Wood River, Ill. gal. .35 - —

Y

Yara, yara, cns. lb. 2.15 - 2.65
Yeast, brewer's, dry, USP, 50 int'l B units per gram, 100-lb. dms. lb. .47 - —
90 Int'l B units per gram, 100-lb. dms lb. .52 - —
200 int'l B units per gram, 100-lb. dms lb. .56 - —
300 int'l B units per gram, 100-lb. dms. lb. .60 - —
Yellow, barium chromate, CP, bbls., dlvd N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul lb. .35 - —
Yellow barium chromate price differentials in other States and city zones are those for chrome yellow below.
Benzidine, AAA, bbls., dlvd. lb. 2.10 - —
AAOT, bbls., dlvd lb. 2.85 - —
Lightfast, bbls., dlvd lb. 3.15 - —
Cadmium, CP, all shades, bbls., frt. alld., E. of Rockies lb. 2.83 - —
Selenide lithopone, all shades, bbls., frt. alld. E. of Rockies lb. 1.05 - —
Cadmium yellows, Los Angeles and San Francisco, ex whse., 1c. per lb. higher.
Chrome, CP, bbls., dlvd. N. of Tenn., and N.C., E. of Miss., including Davenport, Minneapolis, Rock Island lb. .33 - .33½
Dlvd. Ala., Fla., Ga., La. (Shreveport 1¼ higher); Miss., N. C., S. C., Penna., Dallas, Tex. 1¼c. higher; Ft. Worth, Tex. 1½c. higher; El Paso Tex. 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph 1.6c. higher; dlvd. Pac. Coast, for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Yellow, hansa, 10 g. bbls., same basis as yellow, chrome lb. 2.25 - —
G pigment, bbls lb. 1.91 - —
Iron oxide, natural, French type, bgs., c.l., works lb. .06 - —
Peruvian type, bgs., l.c.l. lb. .0205- .0345
pure, bgs., c.l., works lb. .11½ - —
l.c.l., works lb. .11¾ - —
Mercury oxide, bbls., 1,000-lb. lots lb. 5.58 - —
smaller lots lb. 5.60 - —
Ocher (see Yellow, iron oxide, natural).
Zinc (chromate), bbls., dlvd lb. .27 - .27½
basic, bbls., dlvd lb. .31 - .32½
Yerba santa leaves, nls lb. .40 - .42
Yohimbine hydrochloride, bots, tin. oz. 4.30 - 4.50

Z

Zein, bgs., 36,000-lb. lots or more lb. .38 - —
1,000 to 36,000-lb lots, works lb. .40 - —
smaller lots, works lb. .43 - —
Zinc acetate, NF VIII, dms lb. .53 - —
tech., dms., works lb. .27 - —
Borate, bgs., c.l., dlvd E lb. .192 - —
l.c.l., dlvd E lb. .202
Chloride, NF, gran., dms lb. .42 - —
precipitated, powd., dms lb. .26 - —
soln., 50%, dms. c.l., works, 100 lbs. 5.50 - —
l.c.l., works 100 lbs. 6.10 - —
tanks, works 100 lbs. 4.85 - —
Chloride, tech., fused, dms., c.l., works 100 lbs. 10.10 - —
l.c.l., works 100 lbs. 10.60 - —
gran. fib. dms., c.l., works, 100 lbs. 10.85 - —
l.c.l., works 100 lbs. 11.35 - —
Chromate (see Yellow, zinc).
Cyanide, kgs., 1,000-lb. lots or more, works lb. .523 - —
smaller lots, works lb. .543 - —
Dust, pigment, bbls., c.l., works lb. .17½ - —
l.c.l., works lb. .18½ - —
Fluoride, bbls., works lb. .49 - .50
Hydrosulfite, dms., c.l., frt. alld lb. .21½ - —
l.c.l., frt. alld lb. .22 - .37½
Metal, prime western slabs, E. St. Louis lb. .13½ - —
New York lb. .14 - —
Naphthenate, liq., 8% Zn., dms., frt. alld lb. .24½ - —
10% Zn dms frt alld lb. .30 - —
Nitrate, tech., cryst., bbls., works, lb. .20 - —
Oxide pigment, American process, lead-free, bgs., c.l., frt. alld lb. .14½ - —
l.c.l., same basis lb. .15½ - —
leaded, 35%, bgs., c.l., mills, frt. alld lb. .15½ - —
l.c.l., same basis lb. .16½ - —
50%, bgs., c.l., same basis lb. .15⅞ - —
l.c.l., same basis lb. .16⅞ - —
French process, coml., green seal, bgs., c.l., frt. alld lb. .15¾ - —
l.c.l., same basis lb. .16¾ - —
red seal, bgs., c.l., same basis lb. .15¼ - —
l.c.l., same basis lb. .16¼ - —
white seal, bgs., c.l., same basis lb. .16¼ - —
l.c.l., same basis lb. .17¼ - —
USP, ctns., c.l., frt. alld lb. .17½ - —
l.c.l., same basis lb. .18¼ - —
Zinc oxide Pac. coast prices 1c. higher.
Phenolsulfonate, NF, gran., dms, lb. .39 - —
powd., dms lb. .42 - .49
Resinate, precip., 7.2-7.6% Zn., dms., frt alld lb. .29 - —
Silicofluoride, dms., works lb. .12½ - .14
Stearate, tech., USP, ctns., c.l. lb. .39 - —
lb. .39 - —
l.c.l. lb. .40 - .44
Sulfate, powd., monohydrate, 36% Zn, bgs., c.l., dlvd E 100 lbs. 8.75 - —
l.c.l., dlvd E 100 lbs. 9.75 - —
Zinc sulfate in bbls. 40c. higher.
USP, gran. dms lb. .26 - —
Sulfide, pure, bgs., c.l., dlvd lb. .2530- —
Undecylenate, dms. lb. 2.25 - 2.50
Yellow (see Yellow, zinc).
Zinc-ammonium chloride, bgs., c.l., works 100 lbs. 9.65 - —
bbls., c.l., works 100 lbs. 10.25 - —
l.c.l., works 100 lbs. 10.75 - —
Zinc-formaldehyde sulfoxylate, basic, dms., c.l. lb. .25½ - —
l.c.l. lb. .26 - —
Zircon (G), gran., bgs., c.l., works, lb. .03½ - —
5 tons to c.l., works lb. .03⅝ - —
1 ton to 9,999-lb lots, works, lb. .04 - —
smaller lots, works lb. .06½ - —
milled, bgs., c.l., works lb. .04½ - —
5 tons to c.l., works lb. .04⅝ - —
1 ton to 9,999-lb lots, works, lb. .04⅝ - —
500-1,999-lb. lots, works lb. .07½ - —
Zircon (G) in barrels, 1c. higher.
Zirconium acetate, 13% com., ZrO., c.l., 30,000 lbs. minimum, works lb. .23 - —
Hydride, cns., works lb. 7.00 - 8.45
Nitrate, dms., ex whse lb. 4.50 - 7.00
Oxide, 92½-99%, white, grd., bbls, or bgs., works lb. 1.50 - —
lump, electric-fused, bgs., lump, electric-fused, bgs., c.l., works lb. .44 - —
5-ton lots, works lb. .44½ - —
1 ton to 9,999-lb. lots, lbs., works lb. .45 - —
CP, white, grd., bbls., or bgs., works lb. 1.50 - —
lump, electric fused, bags, 500 to 1,999-lb. lots, works lb. .45½ - —
smaller lots, works, lb. .48 - —
milled, electric-fused, bgs., c.l., works lb. .59 - —
5-ton lots, works lb. .59½ - —
1 ton to 9,999-lb. lots, works lb. .60 - —
500 to 1,999-lb. lots, works lb. .60½ - —
smaller lots, works, lb. .63 - —
Oxychloride, cryst., ctns., 5-ton lots, works lb. .35½ - —

Socony de Venezuela

The elections of Dr. James A. Tong and H. R. Moorman as president and executive vice president, respectively, of Socony Mobil Oil Company de Venezuela have been announced by Socony Mobil Oil Company. Relinquishing the presidency of the Venezuelan affiliate is John C. Case, a director of the parent company and its vice-president in charge of producing.

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agency in April by their inability to get the needed scrap.

Citing loses of production in the primary aluminum industry occasioned by recent work stoppages, members of the aluminum smelters industry advisory committee expressed concern over the outlook for an adequate domestic supply of the metal in the fourth quarter of this year.

In this connection, it was pointed out that the automotive and other industries are expected to require substantial quantities of secondary aluminum.

A committee spokesman said that there have been indications that scrap exporters have been accumulating considerable amounts of the metal in anticipation of the quarterly announcement of the export quota.

For this reason the committee recommended that the announcement of these quotas be made as early as possible prior to the first day of the quarter-year involved.

The committee also urged the government to permit no aluminum scrap to be exported in the fourth quarter. It also asked that no call be made for stockpile aluminum in the first half of 1957.

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